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**UNITED STATES DEPARTMENT OF AGRICULTURE**

**AGRICULTURAL RESEARCH SERVICE**

**PLANT QUARANTINE DIVISION**

**FEDERAL CENTER BUILDING**

**HYATTSVILLE, MARYLAND 20781**

**LIST OF INTERCEPTED PLANT PESTS, 1963**

**(Pests Recorded From July 1, 1962, Through June 30, 1963)**

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Compiled by  
Bessie C. Mumford  
Plant Quarantine Aid

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**INTRODUCTION**

This report covers the 50th year of plant quarantine work in the United States. It summarizes records of plant pests found in, on, or with plants, plant products, baggage, cargo, mail, and means of conveyance (1) imported into or entering the United States or the offshore possessions, (2) offered for entry but refused, (3) in quarters or stores of planes and ships, (4) offered for entry for immediate transportation and exportation in bond, (5) in domestic shipments to the mainland from the States of Alaska and Hawaii, the American Virgin Islands, the Commonwealth of Puerto Rico, Guam, and other possessions, or (6) in preclearance inspection in the Bahamas and Bermuda.

The pests listed include insects, mites, snails, bacteria, fungi, nematodes, and viruses of known or potential plant quarantine significance to the United States or of scientific interest. Some common organisms are included if they are new to the country of origin or the host plant.

This list reports identifications received during the fiscal year 1963 and includes many interceptions made during previous years, since determinations are sometimes delayed because of heavy work loads or lack of specialists for certain types of organisms. Most identifications are made by specialists of the Entomology Research Division, the Plant Quarantine Division (both of the U.S. Department of Agriculture), and the Department of Entomology, U.S. National Museum (of the Smithsonian Institution). However, many pests intercepted in California are identified by collaborating State officials. Snail identifications are made largely by taxonomists in the Division of Mollusks of the U.S. National Museum. Some disease determinations and critical studies are made by specialists of the Crops Research Division, U.S. Department of Agriculture. Many host plants are identified by workers in the Department of Botany, Smithsonian Institution.



Scientific names of insects and diseases are reviewed by specialists of the Plant Quarantine Division, who also assist in compiling the list. Nematode names are checked in Nematology Investigations and host names are reviewed in the New Crops Research Branch. Every effort is made to conform to the International Rules of Nomenclature. Family names are shown with the insects in the tabulation and orders are given in the host list. Classes of diseases are shown in the disease host list.

It is often difficult to trace the true origin of stores in planes and ships. Questionable cases are omitted, listed with a question mark, or shown as unknown.

### NOTES ON PESTS INTERCEPTED

The total number of interceptions submitted during the fiscal year 1963 was 31,439, as compared with 33,033 the previous year. This does not include certain common pests which are widespread in this country and are no longer recorded. Of the total identified during the year, 12,482 were considered important enough to be reported in this list. That figure includes the incompletely determined pests which were significant. Last year the total in the list was 10,921.

#### Airborne Material

Interceptions of pests arriving by air totaled 12,700, of which 10,983 were insects, mites, or snails and 1,717 were diseases or nematodes. There were 419 interceptions of significant insects found as stowaways on airplanes. Among the important pests arriving by air were 179 interceptions of the European cherry fruit fly, 207 of the Mediterranean fruit fly, 52 of the Mexican fruit fly, 41 of the olive fruit fly, 36 of the oriental fruit fly, 34 of the pink bollworm, 206 of the West Indian fruit fly, 290 of the yanone scale, 371 of the black spot of citrus, 204 of citrus canker, 130 of the sweet orange scab, and 16 of the golden nematode.

#### FRUIT FLIES

There were 1433 fruit fly interceptions identified to species. This large number includes many intercepted in previous years which were identified and recorded this year. The species were as follows:

*Anastrepha fraterculus*(?) (once) in coffee berry in airmail from Brazil.

*Anastrepha ludens*, the Mexican fruit fly, was intercepted 401 times from Mexico and once from Panama. The hosts were apple, grapefruit, lime, mamey, Mandarin orange, mango, peach, pear, pomegranate, quince, sapote, and sweet orange. *A. ludens*(?) (3 times) in sapote in air stores and mango in baggage from Mexico.

*Anastrepha mombinpraeoptans*, the West Indian fruit fly (375 times), an adult at large in airplane and larvae in guava, mango, purple mombin, tropical almond, unidentified fruit, and yellow mombin from Brazil, Costa Rica, Cuba, Dominica, Dominican Republic, Ecuador, El Salvador, Guatemala, Haiti, Jamaica, Mexico, Nicaragua, Panama, Puerto Rico, St. Kitts, St. Martin, Tortola, and an unknown origin.

*Anastrepha ocrexia* (once) in sapodilla in air baggage from the Dominican Republic. This is the first authentic collection from sapodilla in the U.S. National Museum.

*Anastrepha striata* (twice) in guava in air baggage from El Salvador and Nicaragua.

*Anastrepha suspensa* (3 times) in guava in air baggage and baggage from the Dominican Republic and Puerto Rico.

*Ceratitis capitata*, the Mediterranean fruit fly (293 times), in apple, apricot, Arabian coffee berry, baggage (with sphagnum moss packing), bell pepper, cactus



fruit, calamondin orange, chili pepper, *Citrus sinensis* var. *shamuti*, in pulp covering common pistache nut, date, *Eugenia* sp. fruit, fig, grapefruit, guava, Indiapoon beauty-leaf fruit, jujube, kaki persimmon, Malay-apple, Mandarin orange, mango, nectarine, papaya, peach, pear, plum, pomegranate, pricklypear, quince, sweet orange, tropical almond, and unidentified fruit. Countries of origin were Africa (country(?)), Argentina, Azores, Brazil, Costa Rica, Cyprus, Europe (country(?)), Federation of Rhodesia and Nyasaland, France, Greece, Hawaii, Israel, Italy, Jordan, Lebanon, Liberia, Malta, Morocco, Peru, Portugal, Republic of South Africa, Senegal, Spain, United Arab Republic, an unknown origin, and Uruguay. *C. capitata*(?) (15 times) in apricot, Arabian coffee berry, English walnut, mango, peach, pepper, sweet orange, and tomato from Argentina, Australia(?), Bermuda(?), Brazil, Canary Islands, Costa Rica, Greece, Hawaii, Israel, Italy, Liberia, and the United Arab Republic.

*Ceratitis colae*(?) (once) in Sudan colanut in air baggage from Nigeria.

*Ceratitis rubivora* (once) in *Rubus* sp. seed in mail from Ethiopia.

*Dacus cucurbitae*, the melon fly (5 times), in balsampear in air baggage from the Philippines, bell pepper in stores from Hawaii, chili pepper in air baggage from Thailand, and cucumber in stores from Hawaii and the Ivory Coast. *D. cucurbitae*(?) (4 times) in cucumber in stores from Hawaii.

*Dacus dorsalis*, the oriental fruit fly (43 times), an adult in a flight bag and larvae in avocado, carambola, *Eugenia* sp. fruit, guava, Indiapoon beautyleaf fruit, Malay-apple, mango, papaya, pepper, rose-apple, and tropical almond from Hawaii and the Philippines. *D. dorsalis*(?) (10 times) in avocado, candlenut-tree fruit, guava, and mango from Hawaii and India.

*Dacus oleae*, the olive fruit fly (80 times), an adult in baggage (with lemon) and larvae in common olive, *Olea* sp., and warty olive. Countries of origin were Ethiopia, Europe (country(?)), France, Greece, Israel, Italy, Lebanon, Republic of South Africa, and Spain. *D. oleae*(?) (once) in common olive in air baggage from Italy.

*Euleia heraclei* (once) in celery in stores from France. *E. heraclei*(?) (3 times) in celery in stores from England and Italy and in parsley in stores from Belgium.

*Rhagoletis alternata*(?) (once) in rose hip in baggage from Czechoslovakia.

*Rhagoletis cerasi*, the European cherry fruit fly (186 times), in Mazzard cherry, sour cherry, and cherry from the Azores, Europe (country(?)), France, Germany, Israel, Italy, Poland, Portugal, Spain, and an unknown origin. *R. cerasi*(?) (once) in cherry in stores from Turkey.

*Tephritis conura* (once) in thistle flower head in air baggage from Sweden.

#### INSECTS OTHER THAN FRUIT FLIES

Of the serious insect pests intercepted the following are of unusual interest:

*Acrolepia assectella* (Yponomeutidae) (20 times) in leek in air baggage from France and stores from France, Germany, Italy, and the Netherlands; in onion in air baggage from France; and in stores (with cauliflower) from France.

*Adoretus sinicus* (Scarabaeidae) as stowaway on airplane, in baggage, on cut flowers in air baggage and aircargo, and on orchid in air baggage from Hawaii; and in mail sack from Guam.

*Adoxophyes reticulana* (Tortricidae) (8 times) on cut lilac in aircargo from Belgium, Germany, and the Netherlands.

*Aleurocanthus woglumi* (Aleyrodidae), the citrus blackfly (36 times), on *Citrus* sp. leaf, sour lime leaf, sour orange leaf, sweet orange leaf, and rose leaf from Costa Rica, Ecuador, Jamaica, Mexico, and Nicaragua. *A. woglumi*(?) (4 times) on *Citrus* sp. leaf, coffee leaf, and sour lime leaf from Jamaica and Mexico.

*Anthonomus rectirostris* (Curculionidae) in black cherry seed in mail from Belgium.

*Argyroploce lacunana* (Olethreutidae) on birch plant in air baggage from Norway.

*Austrotortrix postvittana* (Tortricidae) or near, in apple and plum in cargo from New Zealand.

*Blastodacna atra* (Cosmopterigidae) in apple in air baggage from Germany and Poland.

*Brachycerus albidentatus* (Curculionidae) in garlic in baggage from Italy.

*Brachycerus algirus* (Curculionidae) in garlic in air baggage and baggage from Italy and cargo from Italy and Spain.

*Brevipalpus chilensis* (Tenuipalpidae) on lemon in air stores from an unknown origin.



*Bruchus dentipes* (Bruchidae) in broadbean in air baggage from Iran and Italy, baggage from Greece and Italy, and mail from Italy.

*Bryobia ehari* (Tetranychidae) on chrysanthemum cut flower in air baggage from Japan.

*Cacoecimorpha pronubana* (Tortricidae) on cut carnation in air baggage from Spain and rose plant in air baggage from Italy.

*Carposina niponensis* (Carposinidae) (10 times) in apple in air stores and stores from Japan.

*Ceroplastes rubens* (Coccidae) on anthurium leaf in airmail from Hawaii, English ivy leaf in air quarters from an unknown origin, iron tree leaf in air baggage from Hawaii, and leaf of an unidentified plant in air baggage from Australia.

*Chilo suppressalis* (Crambidae), the Asiatic rice borer (11 times), in rice husks in stores from the Philippines; rice straw in air baggage, aircargo, cargo, mail, and stores from Japan; and rice straw jacket for liquor in air baggage from Spain.

*Clysiana ambiguella* (Phaloniidae) in grape in air baggage from Hungary and air quarters from an unknown origin.

*Conotrachelus aguacatae* (Curculionidae) in avocado seed in aircargo and in avocado and Mexican avocado fruit in baggage from Mexico.

*Coptotermes formosanus* (Rhinotermitidae) in mail package of dried shells from Hawaii.

*Cryptoblabes gnidiella* (Phycitidae) (25 times) in mango, pomegranate, quince, and sweet orange from Cape Verde Islands, Greece, Italy, Portugal, Spain, an unknown origin, Venezuela, and Yugoslavia.

*Curculio elephas* (Curculionidae) (109 times) in European chestnut and unidentified species of chestnut from France, Greece, Italy, Portugal, Spain, Switzerland, and Yugoslavia.

*Cylas formicarius formicarius* (Curculionidae) in sweetpotato in air baggage and mail from the Philippines and stores from Hong Kong and Japan.

*Cylas puncticollis* (Curculionidae) (11 times) in sweetpotato in aircargo (as monkey food) from Kenya, cargo from Nigeria and Sierra Leone, quarters from Liberia, and stores from Sierra Leone.

*Dialeurodes kirkaldyi* (Aleyrodidae) on Arabian jasmine leaf in aircargo from the Philippines and mail from Hawaii, gardenia leaf in air baggage from Hawaii and Tahiti, and unidentified plant in air baggage from China.

*Diaprepes abbreviatus* (Curculionidae) as stowaway on airplane from Puerto Rico and on cut flowers and Sierra bladder-nut in aircargo from Haiti. *D. abbreviatus* var. on cut flowers in aircargo from Haiti.

*Dichocrocis punctiferalis* (Pyraustidae) on 5-needle dwarf pine tree in baggage and cargo from Japan.

*Dyspessa ulula* (Cossidae) in garlic in baggage from Italy and cargo from Spain and an unknown origin.

*Epinotia aporema* (Olethreutidae) in stores (with cabbage) from Peru and in string bean in air baggage from Colombia and stores from Chile and Venezuela.

*Euproctis similis* (Lymantriidae) on hawthorn plant in cargo from Japan.

*Euscepes postfasciatus* (Curculionidae) in mail (with ti cutting) from Hawaii; and in sweetpotato in air baggage from Jamaica, baggage from Puerto Rico, cargo from Tortola, and stores from Brazil, British Guiana, Panama, and Trinidad.

*Evergestis forficalis* (Pyraustidae) in cabbage in stores from Belgium, France, and the Netherlands; and in cauliflower in stores from France.

*Gnorimoschema ocellatella* (Gelechiidae) in beet in stores from Italy and the United Arab Republic; and in stores (with string bean) from Italy.

*Gryllotalpa africana* (Gryllotalpidae) with cargo (aircraft parts) by air from Japan.

*Gryllus bimaculatus* (Gryllidae) (8 times) as stowaway in airplane and in air baggage from Morocco.

*Haplothrips tritici* (Phlaeothripidae) in wheat stalk in air baggage from the Union of Soviet Socialist Republics.

*Heterobostrychus brunneus* (Bostrichidae) in packing boards on cargo from the Republic of the Congo and West Africa.

*Lampides boeticus* (Lycaenidae) in mauna loa lei in air baggage, baggage, and mail from Hawaii, pea pod in stores from Japan, sesbania seed in air baggage from Hawaii, and string bean in air baggage from Italy.

*Laspeyresia splendana* (Olethreutidae) (93 times) in acorn in mail from Switzerland; in air baggage (with apple) from Portugal; in cork oak seed in cargo from Italy; and in European chestnut in air baggage from the Azores, France, Greece, Italy, and Portugal, baggage from Austria, France, Italy, Portugal, Spain, and an unknown origin, and cargo and mail from Italy.



*Lema bilineata* (Chrysomelidae) in excelsior packing with melon in cargo from Chile.

*Leucinodes orbonalis* (Pyraustidae) in eggplant in air baggage from Ghana and stores from the Federation of Malaysia(?) and Senegal.

*Lobesia botrana* (Olethreutidae) in grape in air baggage from Italy.

*Mamestra brassicae* (Noctuidae) (24 times) on cabbage in stores from Belgium, France, Italy, and the Netherlands; cauliflower in stores from Denmark, France, Italy, and the Netherlands; kale in air baggage from Denmark; lettuce in stores from France and Spain; in quarters (with gladiolus cut flowers) by air from Italy; and on Swiss chard in stores from Italy.

*Maruca testulalis* (Pyraustidae), a bean pod borer (22 times), in air baggage (with coriander seed) from the Dominican Republic; in lima bean in cargo from Puerto Rico; mauna loa lei in air baggage and baggage from Hawaii; pigeonpea in air baggage from the Dominican Republic, Panama, and Puerto Rico and cargo from Puerto Rico; sesbania seed in air baggage from Hawaii; and string bean in air baggage and cargo from Puerto Rico and stores from Japan, Puerto Rico, Senegal, and Surinam.

*Matsumuraeses phaseoli* (Olethreutidae) in string bean in stores from Japan.

*Melolontha melolontha* (Scarabaeidae) in quarters of airplane from Switzerland.

*Monosteira unicostata* (Tingidae) in almond in air baggage from Greece.

*Naupactus xanthographus* (Curculionidae) in honeydew melon and melon in cargo from Chile.

*Nephotettix apicalis* (Cicadellidae) with aircargo of silk stoles from India and with dry stores from an unknown origin.

*Ostrinia nubilalis* (Pyraustidae) in apple in baggage from Italy; bell pepper in air baggage from Italy, air stores from Japan, and stores from Italy and Sweden; burdock stem in stores from Japan; with corn seed in aircargo from Italy and in fresh corn ear in stores from Thailand; in peach in air stores from an unknown origin; and in rice in aircargo from Japan.

*Oxycarenum hyalinipennis* (Lygaeidae) in cottonseed in cargo from Pakistan and pomegranate in air baggage from Israel and baggage from Greece.

*Pectinophora gossypiella* (Gelechiidae), the pink bollworm (56 times), in cotton boll, cotton lint, cottonseed, Hawaiian seed cotton, okra, and seed cotton from Barbados, Brazil, Dominican Republic, Grenada, Haiti, Hawaii, Jamaica, Liberia, Mexico, Pakistan, an unknown origin, and Venezuela.

*Phalonia zephyrana* (Phaloniidae) in carrot in stores from Italy.

*Phlyctinus callosus* (Curculionidae) (13 times) in grape in cargo and quarters from the Republic of South Africa.

*Pieris brassicae* (Pieridae) in cabbage in stores from France and Italy and with military cargo from the Azores and Morocco.

*Prays oleellus* (Yponomeutidae) in olive in air baggage from Italy and baggage from Greece.

*Premnotrypes latithorax* (Curculionidae) in potato tuber in air baggage from Bolivia.

*Prodenia litura* (Noctuidae) in airplane from an unknown origin; in beet and pepper in stores from Israel; and with aircargo from the Philippines.

*Sesamia cretica* (Noctuidae), the durra stem borer (8 times), in broomcorn in baggage from Italy, cargo from Greece, Italy, and Spain; corn ear in air baggage from Italy and an unknown origin; and corn husk packing in mail from Italy.

*Sesamia nonagriodes* (Noctuidae) with chestnut in air baggage from Portugal and baggage from Spain.

*Spanioneura fonscolombeii* (Psyllidae) on carnation and chrysanthemum cut flowers in air quarters from England.

*Stephanoderes hampei* (Scolytidae) in Arabian coffee berry in air baggage from Brazil; and coffee berry in air baggage from Formosa, cargo from the Republic of South Africa and an unknown origin, and mail from an unknown origin.

*Sternochetus mangiferae* (Curculionidae) in mango in air baggage from Hawaii and India and mail and stores from Hawaii.

*Taeniothrips eucharis* (Thripidae) on *Lycoris* spp. and narcissus bulbs in cargo from Japan.

*Tetranychus viennensis* (Tetranychidae) on apple in air baggage from Hungary and Japan.

*Thrips imaginis* (Thripidae) on hyacinth cut flower in air quarters and rose cut flower in baggage from Australia.

*Tortrix excessana* (Tortricidae) in apple in cargo from New Zealand.

*Trogoderma granarium* (Dermestidae), the khapra beetle (225 times), with bagging and ballast, in broadbean, with cargo and in cargo hold, in celery seed,



chickpea, cinnamon, coriander seed, cumin seed, with debris, in divi-divi pod, fennel seed, grain, gum arabic, gum tragacanth, gum zedou, guar gum, karaya gum, mung bean, myrobalan, nutmeg, pea, pigeonpea, pistache nut, psyllium seed, *Pyrus* sp. seed, quarters, rice, soybean, stores, string bean, talha gum, and tamarind seed powder. Countries of origin of the infested materials were Ceylon, England, Federation of Malaysia, Formosa, France, Germany, Hong Kong, India, Iran, Japan, Kenya(?), Korea, Kuwait, Lebanon, Netherlands, Pakistan, Seychelles, Sudan, Thailand, and an unknown origin.

*Unaspis yanonensis* (Coccidae), the yanone scale (427 times), on *Citrus* sp., grapefruit, lemon, lime, Mandarin orange, Marumi kumquat, sour orange, sweet orange, tangelo, and yuzu from Australia, China, Fiji, Hong Kong, Italy, Japan, Philippines, and an unknown origin.

#### SNAILS

The following snails are of particular interest:

*Achatina fulica*, the giant African snail, on packing crate of military cargo by air from Formosa.

*Arianta arbustorum* with air baggage from Germany, on cauliflower and lettuce in stores from the Netherlands, and on violet plant in air baggage from Germany.

*Bradybaena similaris* (10 times) on anthurium in air baggage and mail from Hawaii, on dasheen plant in air baggage, ti in aircargo, and cut flowers in mail from Hawaii; military cargo from Bermuda; and orchid flowers in aircargo, cargo, and mail from Hawaii.

*Cochlicella barbara* (31 times) on automobile in cargo from Libya and Morocco, four-o'clock seed in cargo from France, garlic in stores from Morocco, and military cargo from Crete, France, Greece, Morocco, and Spain.

*Cochlicella ventrosa* (18 times) on automobile in cargo from Libya, cabbage and leek in stores from Portugal, lettuce in stores from Italy, and military cargo from the Azores and Spain by air and by surface cargo from the Azores, Morocco, Spain, and an unknown origin.

Fifteen species of *Helicella* were intercepted a total of 92 times from Crete, Denmark, England, France, Germany, Greece, Italy, Libya, Morocco, Netherlands, Spain, Turkey, and an unknown origin. The hosts were airplane, automobile, cabbage, cauliflower, chicory, cork oak, four-o'clock seed, leek, military cargo, residue in hold, soil with begonia plant, stores, and tassel grapehyacinth.

*Helicina neritella* on orchid plant in air baggage from Jamaica.

*Helix figulina* on military cargo by air from Turkey. *H. pomatia* with air baggage from Germany.

*Monacha cantiana* and *M. carthusiana* on military cargo from France. *M. olivieri* on military cargo from Greece and Turkey, and in soil with plant in baggage from Greece.

*Retinella hammonis* in soil in air baggage from Ireland, soil with birch shoot in air baggage from Italy, and soil with potted plant in air baggage from Germany.

*Rumina decollata* on military cargo from Morocco.

*Subulina octona* on four-o'clock seed in cargo from the Netherlands and orchid plant in aircargo from Peru.

*Theba pisana*, the Mediterranean land snail (59 times) on airplane, automobile, cork oak, crate, cut flowers, dried plant material, four-o'clock seed, leek, lettuce, Madonna lily, protea flowers, stores, and sweet orange from the Azores, Crete, France, Italy, Libya, Morocco, Netherlands, Portugal, Republic of South Africa, Spain, and an unknown origin.

Other snails of importance were *Ceciloides acicula*, *Helix aspersa*, *Lamellaxis micra*, *Limax marginatus*, *Milax gagates*, *Otala lactea*, *O. vermiculata*, *Oxychilus alliarius*, *Opeas pumilum*, *O. pyrgula*, and *Trichia hispida*.

#### DISEASES

*Elsinoe australis*, the sweet orange scab, was intercepted 209 times; 92 from Brazil, 78 from Argentina, 16 from South America (country(?)), 14 from an unknown origin, 7 from Uruguay, and 2 from Paraguay. Hosts were grapefruit, lemon, Mandarin orange, sour lime, and sweet orange.

*Guignardia citricarpa* (Phoma stage), the black spot of citrus, was intercepted 556 times, 259 from the Republic of South Africa, 104 from Hong Kong, 85 from Japan, 36 from Australia, 35 from an unknown origin, 15 from China, 9 from Formosa, 3 from Brazil, 2 each from Pakistan, Philippines, and Vietnam, and 1 each from India(?), Okinawa, Tahiti(?), and Thailand. Hosts were *Citrus* sp.,



grapefruit, lemon, lime, Mandarin orange, pummelo, sour orange, and sweet orange.

*Xanthomonas citri*, citrus canker, was intercepted 377 times; 161 from India, 151 from Japan, 22 from Hong Kong, 13 from China, 11 from an unknown origin, 6 from Formosa, 3 each from Afghanistan, Federation of Malaysia, and Thailand, 2 from Pakistan, and 1 each from the Philippines and Vietnam. Hosts were *Citrus* sp., grapefruit, lemon, lime, Mandarin orange, pummelo, sour orange, sweet orange, and tangelo.

*Xanthomonas* sp. (Cancrosis B) was intercepted 19 times; 14 from Argentina, 3 from an unknown origin, and 2 from South America (country(?)). Hosts were lemon and sweet orange.

Other diseases of special interest were:

*Puccinia buxi* on boxwood leaf in air baggage, air quarters, and air stores from England, Europe (country(?)), France, Ireland, Switzerland, and an unknown origin.

*Puccinia dochmia*(?) on muhly grass packing in baggage from Mexico.

*Puccinia erythropus* on Chinese silvergrass in stores from Japan.

*Puccinia iridis* on iris leaf in mail from Austria.

*Puccinia longicornis* on bamboo leaf in stores from Japan.

*Puccinia oncidii* on *Oncidium* sp. leaf in aircargo from Ecuador.

*Puccinia thaliae* on canna leaf in air baggage from Honduras.

*Puccinia urbaniana* on *Jamacia falsevalerian* leaf in air baggage from the Dominican Republic.

*Rhytisma decolorans* on lyonia leaf in airmail from Nepal.

Rose mosaic—yellow type on cut roses in air baggage from Haiti.

*Sphaceloma poinsettiae* on common poinsettia in air baggage from Guatemala.

*Sphaceloma spondiadis* on "jobo" in air baggage from Barbados, purple mombin in air baggage from the Dominican Republic and El Salvador, *Spondias* sp. in air baggage from Trinidad, and vi-apple in air baggage from Guatemala.

*Thecaphora solani* on Irish potato in air baggage from Colombia.

*Uromycladium tepperianum* on graceful-wattle acacia seed in airmail from Australia.

#### NEMATODES

Nematodes of special interest were:

*Aphelenchoides blastophthorus* in lily-of-the-valley pips in cargo from Denmark.

*Aphelenchoides parietinus* in soil on raintree saman log in cargo from Fiji.

*Criconema celetum* in soil with camellia plant in baggage from Portugal.

*Criconema fimbriatum* (first interception) in soil with begonia plant in baggage from Mexico.

*Criconemoides curvatum* in soil with begonia plant in baggage from Argentina, soil with camellia in baggage from Portugal, and soil with mint in baggage from Mexico.

*Criconemoides informe* in soil with beech and spruce plants in air baggage from Germany.

*Criconemoides mutabile* in soil with amaryllis bulb, dahlia root, mango seedling, and unidentified plant in baggage from Mexico.

*Ditylenchus dipsaci* in narcissus bulb in mail from England.

*Helicotylenchus nannus* (17 times) in crown-of-thorns euphorbia, in soil with begonia, caladium, coleus, dracaena, mango, mint, palm, onion, and unidentified plants. Countries of origin were Argentina, Brazil, Hawaii, Japan, Mexico, and the Philippines.

*Hemicriconemoides mangiferae* (first interception) in soil with coleus plant in baggage from Mexico.

*Heterodera avenae* in soil with automobile in cargo from France and soil with dahlia root in air baggage from Germany.

*Heterodera rostochiensis*, the golden nematode (32 times), in soil with automobile in cargo from England and Germany and soil with the following plant material: Amaryllis bulb in air baggage from an unknown origin, cactus plant in air baggage from England, calla lily plant in air baggage from Germany, carrot in stores from the Netherlands, celery in stores from Norway, dahlia root in air baggage from Ireland, English ivy plant in baggage from Germany, garden sage plant in air baggage from England, garlic in cargo from Peru, grass plant in air baggage from England, heather plant in air baggage from Scotland, potato in stores from Argentina, Canary Islands, and England, primrose plant in baggage and mail from England, *Prunus* sp. cutting in air baggage from Sweden, *Rubus* sp. plant in mail from England, shamrock leaf in mail from Ireland and shamrock



plant in airmail from Northern Ireland, *Solanum* spp. tubers in airmail from South America (country(?)), stonecrop plant in air baggage from England, strawberry plant in air baggage from Germany, and unidentified plant in air baggage from England.

The rootknot nematodes were intercepted a total of 39 times in roots of various bulbs, plants, and vegetables as follows: *Meloidogyne arenaria* (6 times), for the first time from Nicaragua; *M. hapla* (11 times), for the first time from Ireland, Lebanon, and Portugal; *M. incognita* (4 times), *M. incognita acrita* (11 times), for the first time from Senegal; *M. incognita incognita* (once); and *M. javanica* (6 times), for the first time from Nicaragua.

*Pratylenchus convallariae* in lily-of-the-valley pip in cargo from Denmark.

*Pratylenchus penetrans* in dahlia root in mail from the Republic of South Africa and in soil with camellia plant in baggage from Portugal.

*Radopholus similis* in anthurium root in baggage and ginger rhizome in cargo from Hawaii.

*Rotylenchus goodeyi* in horseradish root in quarters from England.

*Rotylenchus robustus* in horseradish root in quarters and in soil with Euphorbiaceae in air baggage from England.

*Rotylenchus uniformis* in soil with camellia in baggage from Portugal and in soil with "shamrock" in mail from Ireland.

*Scutellonema brachyurum* in liliaceous plant in baggage from Australia, in soil with bulb in baggage and gardenia plant in cargo from Mexico, in soil with liliaceous plant in air baggage from Japan, and in soil with unidentified plant in air baggage from Hawaii and baggage from Mexico.

*Tylenchorhynchus capitatus* in soil with camellia plant in baggage from Portugal and soil with chalice vine and unidentified tree in baggage from Mexico.

*Tylenchorhynchus crassicaudatus* (first interception) in soil with arum plant in air baggage from the Philippines and soil with privet plant in air baggage from Japan.

### INCOMPLETELY DETERMINED PESTS

It is not always possible to complete a determination as to species, due to the stage or condition of the insect or pathogen when intercepted or the fact that it may be undescribed. Many of these pests are of potential economic importance, unreported from the country of origin or the United States, or new to the host plant. Some of the more significant ones are included in this writeup, but not in the tabulation except in the summary. This year there were 4,558 insects and mites and 761 diseases and nematodes, or a total of 5,319 incompletely determined interceptions considered important enough to record. Snails not identified to species are not recorded.

### INCOMPLETELY DETERMINED FRUIT FLIES

A total of 571 fruit flies not identified to species were as follows:

*Anastrepha* sp., possibly *distincta* Greene (once), in *Inga* sp. pod in baggage from Mexico.

*Anastrepha* sp., possibly *fraterculus* (3 times) in Arabian coffee berry in air baggage from Brazil and quince in stores from Peru.

*Anastrepha* sp., probably *ludens* (24 times), in mango, peach pear, quince, sapote fruit and seed, sweet lime, and sweet orange in baggage from Mexico; and in sweet orange in air baggage from Guatemala and air stores from Mexico.

*Anastrepha* sp., probably *mombinpraeoptans* (47 times) in mango in air baggage from British Honduras, Costa Rica, Dominican Republic, Ecuador, El Salvador, Haiti, Honduras, Jamaica, Nicaragua, Panama, and Puerto Rico, aircargo from Guatemala, air quarters from Mexico, baggage from British Honduras, Honduras, Mexico, and Trinidad, cargo from the Dominican Republic, quarters from Jamaica, Panama, and an unknown origin, and stores from El Salvador and Haiti; in guava in air baggage from Colombia; in vi-apple in air baggage from Puerto Rico; and in yellow mombin in air baggage from the Dominican Republic and Guatemala and baggage from Puerto Rico.

*Anastrepha* sp., possibly *ocresia* (once) in sapodilla in air baggage from the Dominican Republic.

*Anastrepha* sp., possibly *serpentina* (Wied.) (5 times), in mamey in air baggage from Peru; sapodilla in air baggage from Colombia, Mexico, and Nicaragua, and star-apple in air baggage from Panama.

*Anastrepha* sp., probably *striata* (20 times), in guava in air baggage from Colombia, Costa Rica, Ecuador, Nicaragua, and Panama, baggage from El Salvador and Mexico, and quarters from Mexico.



*Anastrepha* sp., probably *suspensa* (65 times), in guava in air baggage from the Dominican Republic, Jamaica, and Puerto Rico, and airmail, baggage, and mail from Puerto Rico; in sapodilla in air baggage from the Dominican Republic and Jamaica; and in tropical almond in air baggage from the Dominican Republic, Jamaica, and Puerto Rico.

*Anastrepha* sp. (303 times) in acerola, apple, Arabian coffee berry, avocado, Barbados-cherry malpighia, broadbean (new host), cherimoya, chupa-chupa, cucurbit, custard-apple, fig, giant granadilla, grapefruit, guava, hawthorn fruit, *Inga* sp. (?) seed pod, lime, loquat, Malay-apple, Mandarin orange, mango, peach, peach palm fruit, pear, plum, pomegranate, ponderosa lemon, quince, red mombin, rose-apple, sapodilla, sapote, soursop, star-apple, sweet orange, tropical almond, vi-apple, white sapote, and yellow mombin. Countries of origin were Argentina (?), Bahamas, Bolivia, Brazil, British Guiana, British Honduras, Chile, Colombia, Costa Rica, Curacao, Dominica, Dominican Republic, Ecuador, El Salvador, Guadeloupe, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Peru, Puerto Rico, Trinidad, an unknown origin, and Venezuela. *Anastrepha* sp. (?) (7 times) in coffee berry in air baggage from Colombia, *Inga* sp. pod in air baggage from Ecuador, mango in aircargo from Jamaica, baggage from Mexico, and quarters from Venezuela, and in peach and sweet orange in baggage from Mexico.

*Ceratitis* sp., probably *capitata* (once), in sweet orange in baggage from Italy.

*Dacus* sp., probably *dorsalis* (once), in mango in air baggage from Hawaii.

*Dacus* sp. (10 times) in cucumber in stores from Ghana and West Africa, *Cucumis heptadactylus* seed in mail from the Republic of South Africa, Cucurbitaceae in air baggage from India, grapefruit in air baggage from Pakistan, mango in air baggage from India and the Philippines, pepper in stores from Angola, and squash in stores from Senegal. *Dacus* sp. (?) (3 times) in cucumber in stores from Liberia, mango in air baggage from the Philippines, and towel-gourd in baggage from Vietnam.

*Rhagoletis* sp., probably *alternata* (once), in rose hip in baggage from Germany.

*Rhagoletis* sp., probably *cerasi* (6 times), in cherry in air baggage from Austria, Hungary, and an unknown origin, aircargo from Switzerland, and air stores from France and an unknown origin.

*Rhagoletis* sp. (37 times) in apple in air baggage and baggage from Mexico, cherry in air baggage from Sweden and air quarters from an unknown origin, and crabapple, hawthorn fruit, and *Lycium berlandieri* in baggage from Mexico. *Rhagoletis* sp. (?) (9 times) in apple in baggage from Italy and Mexico and stores from Peru, baggage (with beans) from Italy, *Lycium berlandieri* in baggage from Mexico, peach in air baggage from Mexico, and quince in baggage from Mexico.

Tephritidae (23 times) larva and pupa in apple in air stores from Canada and Germany and baggage from Mexico, pupa in celery in stores from France, pupa in chili pepper in air baggage from Thailand, adult with *Chrysanthemoides* sp. seed in aircargo from the Republic of South Africa, pupa with chrysanthemum flower in air baggage from Japan, larva with frangipani flower in mail from Hawaii, larva in grapefruit in stores from Israel(?), pupa with guar gum in cargo from India, larva with heather in air baggage from Scotland, pupa with karaya gum in cargo from India, larva in peach in air stores from Peru, larva in pepper in baggage from Mexico, larva in pomegranate in air baggage from Argentina, larva and pupa in preserved fruit in stores from Algeria(?), larva in star-apple in air baggage from the Philippines, eggs in sweet orange in stores from Venezuela and larva in stores from Costa Rica, pupa in tomato in stores from an unknown origin, larva in tropical almond in air baggage from Hawaii, and larva and pupa in unidentified seed in air baggage from Italy. Tephritidae (?) (4 times) larva in apple in stores from Peru, pupa with banana in cargo from Ecuador, larva in chili pepper in baggage from Mexico, and larva in genip fruit in air baggage from Venezuela.

#### INCOMPLETELY DETERMINED INSECTS

Of special interest among the incompletely determined insects, other than fruit flies, were the following:

*Acheta* sp., near *hispanicus* (Gryllidae), evidently a native Moroccan cricket not known to occur in the United States, in the baggage compartment of an airplane from Morocco.

Aleyrodidae, new genus near *Aleurodicus*, n. sp., on *Encyclia* sp. plant in aircargo from Honduras; *Laelia anceps* plant in cargo from Mexico; *Odontoglossum* sp. leaf in aircargo from Guatemala; *Oncidium cebolleta* leaf in cargo from Mexico;



*Oncidium* sp. leaf in aircargo from Guatemala; and orchid leaf in air baggage from Guatemala, aircargo from El Salvador and Guatemala, and cargo from Mexico. Aleyrodidae, genus and species not recognized, very interesting, on grape leaf in air stores from France.

*Anthonomus* sp., probably *rectirostris* (Curculionidae), in wild Mazzard cherry seed in cargo from Austria.

Aphidae, genus near *Jacksonia* and *Carolinaia*, species not recognized, on cedar seedling in air baggage from Lebanon.

*Apion* sp., probably *carduorum* Kirby (Curculionidae), in cardoon in mail from Italy and artichoke in aircargo from France.

*Arhopalus* sp., possibly *ferus* (Muls.) (Cerambycidae), in coniferous packing board on marble in cargo from Italy.

*Baris* sp., probably *lepidii* Germ. (Curculionidae), in horseradish roots in air baggage from Yugoslavia.

*Bemisia* sp., apparently undescribed, near *shinanoensis* (Kuw.) (Aleyrodidae), on carnation and chrysanthemum cut flowers in air baggage and spirea leaf in air quarters from Japan.

*Brachyrhinus* sp. (Curculionidae) on amaryllis bulb in air baggage from Greece, astilbe roots in cargo from the Netherlands, boxwood leaf in air quarters from an unknown origin, packing material in cargo from the Netherlands, pomegranate in air baggage from Israel, rose in air baggage from Finland, rose and lilac in aircargo and cargo from Germany, and in soil with cactus and stonecrop plants in air baggage from Belgium.

*Bruchidius* sp., near *dispar* Gyll. (Bruchidae), in *Crotalaria* sp. seed pod in aircargo from the Republic of the Congo.

*Bruchidius* sp., near *orchesiodes* Heyd. (Bruchidae), in guar seed in airmail and mail from India and in cargo from Pakistan,

*Bruchus* sp., probably *lentis* (Bruchidae), in lentil in stores from Germany.

*Ceutorhynchus* sp., possibly *contractus* Marsh. (Curculionidae), in turnip in stores from France.

*Cnephasia* sp., near or *virgaureana* (Treit.) (Tortricidae), on lettuce in air stores from England(?).

*Conarthrus* sp., near *cylindricus* (Woll.) (Curculionidae), in bamboo support with orchid in baggage from Brazil.

*Cylas* sp., possibly *puncticollis* (Curculionidae), in sweetpotato in cargo from Nigeria.

*Diaprepes* sp., probably *abbreviatus* (Curculionidae), in *Dioscorea* sp. tuber in baggage and cargo from Puerto Rico.

*Earias* sp. (Noctuidae) in okra pod in air baggage from India.

*Epicaerus* sp., probably *cognatus* Sharp (Curculionidae), in potato in cargo from Mexico.

*Gymnandrosoma* sp. (Olethreutidae) with akee and pomegranate fruits in aircargo from Colombia; in jujube in air baggage from Honduras; in lime in baggage from Mexico; and in sweet orange in baggage from Mexico, quarters from Venezuela, and stores from Brazil, Ecuador, and Venezuela.

*Harmolita* sp. (Eurytomidae) (12 times) in esparto needlegrass brooms in cargo from Italy.

*Heilipus* sp., possibly *trifasciatus* (F.) (Curculionidae), in persea budwood in aircargo from Costa Rica.

*Hylobius* sp. (Curculionidae) in linganberry in air baggage from Finland.

*Hylurgops* sp., probably *palliatu*s (Gyll.) (Scolytidae), in pine log in dunnage from Finland.

*Hypera* sp., evidently *brunneipennis* Boh. (Curculionidae), in garlic in cargo from Mexico, lemongrass in baggage from Mexico, rice straw packing in cargo from the United Arab Republic, soil in baggage from Mexico, and tomato in cargo from Mexico.

*Lixus* sp. (Curculionidae) in beet in stores from the United Arab Republic, bell pepper in cargo from Mexico, corn stalk in cargo from an unknown origin, and turnip in stores from Italy.

*Mamestra* sp., probably *brassicae* (Noctuidae), in airplane from Japan.

*Phyllotreta* sp., probably *consobrina* Curtis (Chrysomelidae), in cabbage in stores from France.

*Phyllotreta* sp., probably *cruciferae* (Goeze) (Chrysomelidae), in cabbage in stores from Italy.

*Prays* sp., near or *endocarpa* Meyr. (Yponomeutidae), in sweet orange in aircargo from the Philippines.



*Premnotrypes* sp., probably *solani* Pierce (Curculionidae), in potato in stores from Peru. *Premnotrypes* sp. (31 times) in potato in air baggage from Bolivia, Colombia, and Peru, baggage from Colombia, and stores from Colombia, Ecuador, and Peru; and an adult on cardboard carton of bell pepper in stores from an unknown origin.

*Rhynchaenus* sp. (Curculionidae) on rose and lilac in aircargo from the Netherlands.

*Rhynchites* sp. (Curculionidae) in *Berberis* sp. seed in airmail and mail from Nepal, in glandbearing oak seed in mail from Japan, with lichen in baggage from Mexico, on orchid plant in cargo from Mexico, and in wild Mazzard cherry seed in cargo from Austria.

*Rhynchotarsonemus* n. sp. (Tarsonemidae) on boxwood leaf in air quarters from England.

*Selenaspidus* sp., probably new (Coccidae), on *Cycas* sp. seed in mail from Nigeria.

*Sesamia* sp., possibly *nonagriodes* (Noctuidae), on cabbage in stores from Italy.

*Strophosoma* sp. (Curculionidae) in packing material in cargo from the Netherlands.

Thripidae, undescribed genus and spp., on anthurium cutting in air baggage from Colombia.

*Tipula* sp., *oleracea* group (Tipulidae), in soil with pine seedling in air quarters from Germany and on strawberry plant in air baggage from Sweden.

*Xyleborus* sp., near *eurygraphus* Ratz. (Scolytidae), in melon in cargo from Spain.

#### INCOMPLETELY DETERMINED DISEASES

Of the 382 incompletely determined diseases, the following are of special interest:

*Ascochyta* sp. on *Epimedium niveum* leaf in aircargo from England. None reported on this host as far as is known.

*Cercospora* sp., apparently undescribed, on philodendron cutting in cargo from Mexico. No record on this host. *Cercospora* sp. on anthurium leaf in baggage from Mexico.

*Pestalotia* sp. on *Arachnanthe flos-aeris* var. *insignis* orchid leaf in aircargo from Thailand. No report on this host as far as known.

*Phyllosticta* sp. on *Vaccinium leucanthemum* leaf in air quarters from Mexico. Does not agree entirely with any reported *Phyllosticta* on this host genus.

*Pleurotes* sp. on star cactus in cargo from Mexico.

*Uromycladium* sp., prob. *alpinum* McAlp., on flaxleaf acacia seed in mail from Australia.

#### INCOMPLETELY DETERMINED NEMATODES

Of the 379 nematode interceptions not completely identified, the following are significant:

*Aphelenchoides* sp., probably *parietinus* or *chamelocephalus*, in ginger root in cargo from Japan.

*Criconemoides* sp., near *informe*, in amaryllis and in soil with fern in baggage from Mexico.

*Criconemoides* sp., probably new species close to *xenoplax* Raski, 1952, in soil with pyramid Chinese juniper in baggage from Japan.

*Criconemoides* sp. in soil with various unidentified plants in baggage from Mexico.

*Ditylenchus* sp., probably *dipsaci*, in onion in air baggage from Mexico.

*Ditylenchus* sp. in lily-of-the-valley pip in cargo from Denmark.

*Helicotylenchus* sp., close to *digonius* Perry in Perry, Darling and Thorne, 1959. in soil with mountain heath in mail from Scotland.

*Helicotylenchus* sp. (35 times) in *Chamaedorea* sp. plant, common portulaca plant, dahlia root, soil, and soil with the following plants: Agave, begonia, bougainvillea, cactus, coffee, fern, gardenia, ginger, lavender, lily, mint, pepper, philodendron, primrose, spiderwort, unidentified, and verbena. Countries of origin were England, Finland, Guatemala, Hawaii, Italy, and Mexico.

*Heterodera* sp., probably *rostochiensis*, in soil with fuchsia plant in air baggage from Ireland.

*Heterodera* sp., *goettingiana* group (78 times), in soil samples, soil with automobiles and military cargo, and soil with various plants and vegetables from Argentina, Azores, England, France, Germany, Greece, Guatemala, Ireland,



Italy, Japan, Mexico, Netherlands, Poland, Portugal, Scotland, Spain, Sweden, and Yugoslavia.

*Heterodera* sp., *rostochiensis* group, probably "horsenettle cyst nematode," in soil with bougainvillea plant in baggage from Mexico and ullucus tuber in air baggage from Bolivia. *Heterodera* sp., *rostochiensis* group, in soil with begonia, chili pepper, Chinese hibiscus(?), mango, nasturtium, *Origanum* sp.(?), and treebine plants in baggage from Mexico; and in soil with potato in stores from Germany and Italy.

*Heterodera* sp., *schachtii* group (111 times), in soil samples, soil with automobiles and van pack skids, and soil with various flower plants and vegetables. Countries of origin were Argentina, Australia, Belgium, Canary Islands, Chile, Czechoslovakia, Denmark, England, Finland, France, Germany, Greece, Guatemala, Ireland, Italy, Lebanon, Netherlands, New Zealand, Norway, Okinawa, Paraguay, Poland, Portugal, Scotland, Sweden, and an unknown origin.

*Heterodera* sp. (4 times) in soil with cactus plant in air baggage from Germany, soil with potato in air baggage from Ireland, soil with rosemary plant in air baggage from Poland, and soil with shamrock in mail from Northern Ireland.

*Hoplolaimus* sp. (3 times) in soil with agave, pricklypear, and unidentified plants in baggage from Mexico.

*Meloidogyne* sp. (33 times) in roots of various flower and ornamental plants from Austria, England, Fiji, Germany, Hawaii, India, Japan, Mexico, Netherlands, Portugal, Republic of South Africa, Spain, and Switzerland.

*Paratylenchus* sp. in soil with mountain heath plant in mail from Ireland.

*Pratylenchus* sp. (12 times) in amaryllis bulb, cornflower root, Fortunes plantainlily root, helianthus root, lungwort root, and in soil with coffee, maidenhair fern, mountain heath, and unidentified plants from the Azores, England, India, Ireland, Mexico, Netherlands, and the Republic of South Africa.

*Psilenchus* sp. in unidentified plant in mail from India.

*Rotylenchus* sp. in soil with yucca in cargo from Guatemala.

*Scutellonema* sp. in soil with amaryllis plant, gardenia plant, and lily bulb in baggage and ragweed plant in mail from Mexico.

*Trichodorus* sp. in soil with camellia plant in baggage from Portugal.

*Tylenchorhynchus* sp., near *latus* Allen, 1955, in soil with gardenia plant in baggage from Mexico.

*Tylenchorhynchus* sp. (18 times) in soil with agave, chrysanthemum, coleus, gardenia, hibiscus, orchid, pricklypear, succulent, and unidentified plants in baggage from Mexico, soil with snails in air baggage from the Philippines, soil with unidentified plants in air baggage from England, and in tuberous begonia in air baggage and mail from Belgium.

*Tylenchus* sp., near *discrepans* Andrassy, 1954, in soil with pine plant in air baggage from Japan.

*Tylenchus* sp. (5 times) in soil with begonia in baggage from Argentina, soil with coffee, dahlia, and philodendron plants in baggage from Mexico, and in unidentified plants in mail from India.

*Xiphinema* sp. (5 times) in soil with amaryllis bulb and pepper plant in baggage from Mexico, soil with camellia in baggage from Portugal, and soil with common cassava root in cargo from Guatemala.

#### CHANGES IN NOMENCLATURE

For reference purposes the following list represents insect name changes which have occurred since the issuance of the previous list. Disease name changes are included in the tabulation.

*Aleurotrachelus jelenekii* (Frauen.) (= *Frauenfeldiella jelenekii* (Frauen.))

*Bruchidius villosus* (F.) (= *Sparteus villosus* (F.))

*Bruchus rufipes* Hbst. (= *B. guttalis* Rey)

*Incisitermes repandus* (Hill) (= *Kaloterms repandus* Hill)

*Lygaeus pulchellus* F. (= *Ochrostomus pulchellus* (F.))

*Merodon equestris* (F.) (= *Lampetia equestris* (F.))

*Ovatus crataegarius* (Wlk.) (= *Phorodon menthae* (Buckt.))

*Taeniothrips eucharis* (Whetzel) (= *T. gracilis* Moulton)



*Summary of Numbers of Interceptions Listed in Main Table*

Country	Insect	Disease	Country	Insect	Disease
Africa:			Europe—Continued		
Africa (country(?))	5	0	Denmark	26	2
Algeria	6	0	England	173	51
Angola	1	0	Europe (country(?))	115	12
Canary Islands	1	1	Finland	5	0
Cape Verde Islands	1	0	France	124	8
Ethiopia	2	0	France(?)	1	0
Federation of Rhodesia and Nyasaland	1	0	Germany	89	16
Ghana	3	0	Greece	74	3
Ivory Coast	1	0	Hungary	15	0
Kenya	5	0	Ireland	98	31
Kenya(?)	1	0	Italy	585	17
Liberia	8	0	Malta	3	0
Libya	10	0	Netherlands	76	7
Madagascar	2	0	Netherlands(?)	1	0
Morocco	59	0	Northern Ireland	0	1
Mozambique	2	0	Norway	8	3
Nigeria	4	0	Norway(?)	0	1
Republic of South Africa	23	275	Poland	33	0
Republic of the Congo	8	0	Portugal	53	7
Senegal	5	1	Scotland	23	5
Seychelles	1	0	Spain	104	8
Sierra Leone	8	0	Sweden	7	2
Sudan	66	0	Switzerland	15	25
United Arab Republic	11	0	Union of Soviet Socialist Republics	1	0
West Africa	6	0	Yugoslavia	8	0
Zanzibar	1	0	North America:		
Asia:			Bermuda	4	0
Afghanistan	0	3	Bermuda(?)	1	0
Burma	1	0	Canada	3	2
Ceylon	5	0	Central America:		
China	9	28	British Honduras	17	1
Cyprus	3	0	Canal Zone	22	5
Federation of Malaysia	3	4	Costa Rica	21	7
Federation of Malaysia(?)	1	0	El Salvador	47	3
Formosa	11	16	Guatemala	51	10
Hong Kong	22	127	Honduras	11	4
Hong Kong(?)	1	0	Nicaragua	22	5
India	84	163	Panama	54	3
India(?)	0	1	Panama(?)	1	0
Indonesia	2	0	Iceland	2	0
Iran	9	0	Mexico	848	73
Israel	33	0	Mexico(?)	0	1
Japan	518	466	West Indies:		
Japan(?)	1	0	American Virgin Islands	1	0
Jordan	2	0	Antigua	5	0
Korea	1	0	Aruba	1	0
Kuwait	1	0	Bahamas	6	3
Lebanon	11	2	Barbados	8	1
Macao	1	0	British Virgin Islands	1	0
Nepal	0	1	British West Indies (island (?))	1	0
Pakistan	23	4	Cuba	5	0
Thailand	7	5	Curacao	2	0
Turkey	20	0	Dominica	2	0
Vietnam	6	3	Dominican Republic	175	16
Australasia:			Grenada	4	1
American Samoa	5	1	Haiti	40	11
Australia	20	43	Jamaica	60	14
Australia(?)	1	0	Nevis	1	0
Eniwetok	1	0	Puerto Rico	65	12
Fiji	18	1	St. Kitts	3	0
Guam	6	0	St. Martin	2	0
Hawaii	555	9	Tortola	3	0
Kwajalein	4	0	Trinidad	19	2
New Guinea	1	2	West Indies (island(?))	21	0
New Zealand	5	4	South America:		
Okinawa	2	1	Argentina	10	96
Okinawa(?)	1	0	Bolivia	1	0
Palmyra Island	1	0	Brazil	59	102
Philippines	36	7	British Guiana	3	1
Tahiti	15	0	Chile	8	0
Tahiti(?)	0	1	Colombia	10	2
Wake Island(?)	1	0	Ecuador	59	9
West Pacific	3	0	French Guiana	1	0
Europe:			Paraguay	0	2
Austria	5	6	Peru	10	7
Azores	35	0	South America (country(?))	0	19
Belgium	12	2	Surinam	3	1
Crete	7	0	Uruguay	1	7
Czechoslovakia	6	1			

Summary of Numbers of Interceptions Listed in Main Table—Continued

Country	Insect	Disease	Country	Insect	Disease
South America—Continued			Totals—Continued		
Venezuela-----	6	0	Incompletely determined		
Totals:			pests-----	4,558	761
Africa-----	241	277	Total insect interceptions---	9,849	-----
Asia-----	775	823	Total disease interceptions---		2,633
Australasia-----	675	69	Grand total*-----		12,482
Europe-----	1,702	208			
North America-----	1,529	174			
South America-----	171	246			
Unknown-----	198	75			
Total-----	5,291	1,872			

\*This total represents only pests of known or potential plant quarantine importance or organisms of scientific interest. The total of all interceptions made during the year was 31,439.

NOTE.—Interceptions were also made from Anguilla, Ascension Island, Cayman Islands, Christmas Island, Clipperton Island, Guadeloupe, Johnston Island, Madeira Islands, Martinique, Midway Islands, Montserrat, New Caledonia, Rumania, St. Vincent, Saudi Arabia, Tanganyika, Tonga Islands, Tunisia, and Wales.



Pests Recorded From July 1, 1962, Through June 30, 1963

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Acanthoscelides armitagei</i> (Pic) (Bruchidae): <i>Cajanus cajan</i> (pigeonpea)-----	Canal Zone, Panama, Trinidad.	4	-----	1	Fla., N.Y.
<i>Phaseolus lunatus</i> (lima bean)-----	Peru-----	-----	1	-----	La.
<i>Acanthoscelides birae</i> (Drapiez) (Bruchidae): <i>Bixa orellana</i> (anatto-tree) seed-----	Brazil-----	1	-----	-----	N.Y.
<i>Acanthoscelides spinipes</i> (Er.) (Bruchidae): <i>Acacia farnesiana</i> (sweet acacia) seed-----	Italy-----	-----	-----	1	N.Y.
<i>Acacia</i> sp. (seed)-----	Greece, Italy-----	-----	-----	4	N.Y.
<i>Aceria pluchae</i> (Cook) (Eriophyidae): <i>Pluchea odorata</i> (leaf)-----	Puerto Rico-----	1	-----	-----	P.R.
<i>Aceria rudis</i> (Can.) (Eriophyidae): <i>Betula</i> sp. (birch) leaf-----	Germany-----	1	-----	-----	N.Y.
<i>Aceria tulipae</i> (Keif.) (Eriophyidae): <i>Allium cepa</i> (onion) sets-----	Mexico-----	-----	-----	1	Calif.
<i>Achaea janata</i> (L.) (Noctuidae): Airplane-----	Fiji, unknown-----	-----	2	-----	Hawaii.
<i>Codiaeum variegatum</i> (variegated croton) leaf-----	Hawaii-----	2	-----	-----	Hawaii.
Leaf—unidentified-----	do-----	1	-----	-----	Hawaii.
<i>Achatina fulica</i> Bowdich (Achatinidae): Military cargo (packing crates)-----	Formosa-----	1	-----	-----	Hawaii.
<i>Acheta hispanicus</i> (Rambur) (Gryllidae): Airplane-----	Morocco-----	-----	2	-----	Fla.
<i>Acrida sulphuripennis</i> (Gerst.) (Acrididae): Cargo (brought as food for shrews)-----	Kenya-----	1	-----	-----	N.Y.
<i>Acrolepia assectella</i> (Zell.) (Yponomeutidae): <i>Allium cepa</i> (onion)-----	France-----	1	-----	-----	N.Y.
<i>A. porrum</i> (leek)-----	France, Germany, Italy, Netherlands.	1	16	-----	Calif.,* Fla., N.Y., Ohio, Pa.
Stores (with cauliflower)-----	France-----	-----	2	-----	N.Y.
<i>Acrosternum heegeri</i> (Fieber) (Pentatomidae): <i>Hibiscus cannabinus</i> (kenaf hibiscus) seed-----	Ghana-----	-----	-----	1	D.C.
<i>Adoretus sinicus</i> Burm. (Scarabaeidae): Airplane-----	Hawaii-----	-----	1	-----	Hawaii.
Baggage-----	do-----	1	-----	-----	Hawaii.
Flowers-----	do-----	2	-----	-----	Hawaii.
Mail (in sack)-----	Guam-----	1	-----	-----	Hawaii.
Orchid (cut flower)-----	Hawaii-----	1	-----	-----	Hawaii.
<i>Adorophyes reticulana</i> (Hbn.) (Tortricidae): <i>Syringa</i> sp. (lilac) cut flower-----	Belgium, Germany, Netherlands.	8	-----	-----	N.Y.
<i>Aellopos tantalus</i> (L.) (Sphingidae): Automobile-----	Mexico-----	-----	1	-----	Tex.
<i>Aeneolamia reducta</i> (Lall.) (Cercopidae): Airplane-----	Panama(?), West Indies (island(?)).	-----	2	-----	Fla., P.R.
<i>Aethus indicus</i> (Westw.) (Cydnidae): Airplane-----	Unknown-----	-----	1	-----	Hawaii.
<i>Aganactesis indecora</i> Dyar (Galleriidae): <i>Cassia fistula</i> (goldenshower senna) seed-----	Dominican Republic-----	-----	-----	1	Fla.
<i>Cassia</i> sp. (seed pod)-----	Brazil, Trinidad-----	-----	-----	2	Fla.
<i>Agriphila latistria</i> (Haw.) (Crambidae): Airplane-----	France(?)-----	-----	1	-----	Del.
<i>Aleurocanthus woglumi</i> Ashby (Aleyrodidae): <i>Citrus aurantifolia</i> (lime) leaf and stem-----	Costa Rica, Mexico-----	9	1	-----	Calif.,* Tex.
<i>C. aurantium</i> (sour orange) leaf-----	Mexico-----	2	-----	-----	Calif.
<i>C. sinensis</i> (sweet orange) leaf-----	do-----	1	-----	-----	Tex.
<i>Citrus</i> sp. (leaf)-----	Ecuador, Jamaica, Mexico, Nicaragua.	22	-----	-----	Ariz., Calif. Fla., Ill. La., Tex
<i>Rosa</i> sp. (leaf)-----	Jamaica-----	1	-----	-----	Fla.
<i>Aleurocanthus woglumi</i> Ashby (?) (Aleyrodidae): <i>Citrus aurantifolia</i> (lime) leaf-----	Mexico-----	2	-----	-----	Tex.
<i>Citrus</i> sp. (leaf)-----	do-----	1	-----	-----	Tex.
<i>Coffea</i> sp. (leaf)-----	Jamaica-----	1	-----	-----	Fla.
<i>Aleurodicus iridescens</i> Ckll. (Aleyrodidae): <i>Echinodorus</i> sp. (burhead) leaf-----	Peru-----	-----	-----	2	Fla.
<i>Aleurodicus trinidadiansis</i> (Kll.) (Aleyrodidae): <i>Dendrobium</i> sp. (orchid) leaf-----	Colombia-----	-----	-----	1	Fla.
<i>Aleurolobus olivinus</i> Silvestri (Aleyrodidae): <i>Olea</i> sp. (olive) leaf of cutting-----	Spain-----	1	-----	-----	N.Y.

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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Aleuroparadoxus gardeniae</i> Rsl. (Aleyrodidae):					
<i>Citrus</i> sp. (leaf)-----	Mexico-----	1	-----	-----	Tex.
<i>Gardenia</i> sp. (leaf)-----	do-----	1	-----	-----	Tex.
<i>Aleuroplatus variegatus</i> Q. & B. (Aleyrodidae):					
<i>Billbergia</i> sp. (airbrom)-----	Honduras-----	-----	-----	1	Calif.*
<i>Chamaedorea elegans</i> (palm) frond-----	Mexico-----	5	-----	-----	Tex.
<i>Chamaedorea</i> sp (frond)-----	do-----	2	-----	-----	Tex.
<i>Aleurotrachelus jenenekii</i> (Frauen.) (Aleyrodidae):					
Leaf—unidentified-----	Italy-----	-----	1	-----	Mass.
<i>Aleurotuberculatus aucubae</i> (Kuw.) (Aleyrodidae):					
<i>Citrus</i> sp. (leaf)-----	Japan-----	-----	1	-----	Wash.
<i>Crataegus</i> sp. (hawthorn) leaf of plant-----	do-----	-----	-----	1	Hawaii.
<i>Pyracantha</i> sp. (firethorn) leaf-----	do-----	-----	-----	2	Wash.
<i>Aleurotuberculatus jasmini</i> Takah. (Aleyrodidae):					
<i>Jasminum</i> sp. (jasmine)-----	Philippines-----	-----	-----	1	D.C.
<i>Alloxaxis spinosus</i> Arnett (Oedemeridae):					
Airplane-----	Dominican Republic-----	-----	1	-----	Fla.
Baggage-----	Jamaica-----	1	-----	-----	Fla.
<i>Amatissa consorta</i> (Templ.) (Psychidae):					
<i>Camellia japonica</i> (common camellia)-----	Japan-----	1	-----	-----	Hawaii.
<i>Amblycerus reticulatus</i> Jekel (Bruchidae):					
<i>Colubrina rufa</i> (seed)-----	Brazil-----	-----	-----	1	D.C.
<i>Anastrepha fraterculus</i> (Wied.) (?) (Tephritidae):					
<i>Coffea</i> sp. (coffee) berry-----	do-----	1	-----	-----	Fla.
<i>Anastrepha ludens</i> (Loew) (Tephritidae):					
<i>Calocarpum sapota</i> (mamey sapote)-----	Mexico-----	1	3	-----	Ariz., N.Y.
<i>Citrus aurantifolia</i> (sweet lime)-----	do-----	20	-----	-----	Ariz., Calif., Tex.
<i>C. paradisi</i> (grapefruit)-----	do-----	12	4	-----	Ill., N.Y., Tex.
<i>C. reticulata</i> (Mandarin orange)-----	do-----	3	-----	-----	Tex.
<i>C. sinensis</i> (sweet orange) fruit and seed-----	do-----	153	43	2	Ala., Ariz., Calif., Fla., Ill., Md., N.Y., Tex.
<i>Cydonia oblonga</i> (quince)-----	do-----	11	1	-----	Calif.,* Tex.
<i>Malus sylvestris</i> (apple)-----	do-----	2	-----	-----	Tex.
<i>Mammea americana</i> (mamey)-----	do-----	-----	1	-----	N.Y.
<i>Mangifera indica</i> (mango)-----	Mexico, Panama-----	130	4	-----	Ariz., Calif., Calif.,* Ill., N.Y., Tex.
<i>Prunus persica</i> (peach)-----	Mexico-----	3	-----	-----	Tex.
<i>Punica granatum</i> (pomegranate)-----	do-----	3	-----	-----	Tex.
<i>Pyrus communis</i> (pear)-----	do-----	6	-----	-----	Tex.
<i>Anastrepha ludens</i> (Loew) (?) (Tephritidae):					
<i>Calocarpum sapota</i> (sapote)-----	do-----	-----	1	-----	N.Y.
<i>Mangifera indica</i> (mango)-----	do-----	2	-----	-----	Tex.
<i>Anastrepha mombinpraeoptans</i> Sein (Tephritidae):					
Airplane-----	Nicaragua-----	-----	1	-----	P.R.
Fruit—unidentified-----	Mexico, unknown-----	3	-----	-----	Calif.,* Tex.
<i>Mangifera indica</i> (mango)-----	Brazil, Costa Rica, Cuba, Dominica, Dominican Republic, Ecuador, El Salvador, Guatemala, Haiti, Jamaica, Mexico, Nicaragua, Panama, Puerto Rico, St. Kitts, St. Martin, unknown-----	313	20	-----	Ala., Am. V.I., Ariz., Calif., Calif.,* Fla., La., N.Y., N.C., P.R., S.C., Tex.
<i>Psidium guajava</i> (guava)-----	El Salvador, Guatemala, Mexico, Tortola-----	7	-----	-----	Am. V.I., Calif.,* La.
<i>Spondias mombin</i> (yellow mombin)-----	Costa Rica, El Salvador, Guatemala, Mexico, Nicaragua, Puerto Rico-----	29	-----	-----	Calif.,* P.R., Tex.
<i>S. purpurea</i> (purple mombin)-----	Mexico-----	1	-----	-----	Tex.
<i>Terminalia catappa</i> (tropical almond)-----	Jamaica-----	1	-----	-----	N.Y.



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		Consump- tion	Nonentry	Propaga- tion	
<i>Anastrepha ocesia</i> (Walk.) (Tephritidae):					
<i>Achras zapota</i> (sapodilla)-----	Dominican Republic--	1	-----	-----	P.R.
<i>Anastrepha striata</i> (Schin.) (Tephritidae):					
<i>Psidium guajava</i> (guava)-----	El Salvador, Nicaragua.	2	-----	-----	Calif.*
<i>Anastrepha suspensa</i> (Loew) (Tephritidae):					
<i>Psidium guajava</i> (guava)-----	Dominican Republic, Puerto Rico.	3	-----	-----	N.Y., P.R.
<i>Ancylostomia stercorea</i> (Zell.) (Phycitidae):					
<i>Cajanus cajan</i> (pigeonpea)-----	Bahamas, Barbados, Canal Zone, Domin- ican Republic, Grenada, Haiti, Jamaica, Nevis, Panama, Puerto Rico, Trinidad, unknown, West Indies (island(?)).	96	3	-----	Am. V.I., Bahamas, Calif.,* Fla., N.Y., N.C., P.R.
Mail (with <i>Citrus</i> sp. leaves)-----	Dominican Republic--	1	-----	-----	Fla.
<i>Phaseolus lunatus</i> (lima bean)-----	Trinidad.	1	-----	-----	N.Y.
<i>Pisum sativum</i> (pea)-----	Dominican Republic, Jamaica, Panama.	4	-----	-----	Fla., Mich., N.Y.
<i>Anechura vara</i> Scudd. (Forficulidae):					
Bromeliad-----	Mexico-----	-----	-----	1	Tex.
<i>Anthonomus albolineatus</i> Champ. (Curculionidae):					
Orchid-----	do-----	-----	-----	1	Tex.
<i>Anthonomus rectirostris</i> (L.) (Curculionidae):					
<i>Prunus serotina</i> (black cherry) seed-----	Belgium-----	-----	-----	1	N.J.
<i>Antliarhinus zamiae</i> (Thunb.) (Curculionidae):					
<i>Encephalartos longifolius</i> (longleaf kafirbread)-----	Republic of South Africa.	-----	-----	1	D.C.
<i>Anuraphis cardui</i> (L.) (Aphidae):					
<i>Cynara scolymus</i> (artichoke)-----	France, Italy-----	1	1	-----	N.Y., Ohio.
<i>Rosa</i> sp. (rose) cut flower-----	Germany-----	1	-----	-----	N.Y.
<i>Aonidiella citrina</i> (Coq.) (Coccidae):					
<i>Citrus paradisi</i> (grapefruit)-----	Japan-----	-----	1	-----	Hawaii.
<i>C. sinensis</i> (sweet orange)-----	Australia-----	-----	1	-----	Hawaii.
<i>Aonidiella inornata</i> McKenzie (Coccidae):					
Palm (leaf)-----	Japan-----	-----	1	-----	Oreg.
<i>Apate monachus</i> F. (Bostrichidae):					
Wood (packing boards)-----	Republic of the Congo--	1	-----	-----	Md.†
<i>Aphidura pujoli</i> (Gomez-Menor) (Aphidae):					
<i>Dianthus caryophyllus</i> (carnation) leaf-----	Portugal-----	-----	-----	1	Mass.
<i>Aploneura lentisci</i> Pass. (Aphidae):					
<i>Ornithogalum</i> sp. (cut flower)-----	Israel-----	1	-----	-----	N.Y.
<i>Araecerus cumingi</i> Jekel (Anthribidae):					
<i>Entada phaseoloides</i> (climbing entada) seed-----	Guam-----	1	-----	-----	Hawaii.
<i>Araecerus levipennis</i> Jord. (Anthribidae):					
<i>Acacia koa</i> (koa) seed pod-----	Hawaii-----	5	-----	-----	Hawaii.
Airplane-----	do-----	-----	4	-----	Hawaii.
<i>Ananas comosus</i> (pineapple)-----	do-----	1	-----	-----	Hawaii.
<i>Leucaena leucocephala</i> (white popinac leadtree) seed pod.	do-----	41	-----	-----	Hawaii.
Seed—unidentified-----	do-----	1	-----	-----	Hawaii.
<i>Vanda</i> 'Miss Joachim' (orchid) flower-----	do-----	2	-----	-----	Hawaii.
<i>Ardis sulcata</i> (Cam.) (Tenthredinidae):					
<i>Rosa</i> sp. (rose) stem-----	Austria, Finland, Germany, Hungary, Netherlands.	4	1	-----	N.Y., Ohio.
<i>Arge ochropus</i> (Gmel.) (Argidae):					
<i>Rosa</i> sp. (rose) cut flower-----	Germany, unknown--	1	1	-----	Ill., N.Y.
<i>Argyroploce lacunana</i> (D. & S.) (Olethreutidae):					
<i>Betula</i> sp. (birch) plant-----	Norway-----	-----	-----	1	Wash.
<i>Arianta arbustorum</i> (L.) (Helicidae):					
Baggage-----	Germany-----	1	-----	-----	Va.
<i>Brassica oleracea</i> var. <i>botrytis</i> (cauliflower)-----	Netherlands-----	-----	1	-----	Va.
<i>Lactuca sativa</i> (lettuce)-----	do-----	-----	1	-----	Va.
<i>Viola</i> sp. (violet) plant-----	Germany-----	-----	-----	1	Ill.
<i>Arphnus melanotylus</i> Ashlock (Lygaeidae):					
<i>Ananas comosus</i> (pineapple)-----	Mexico-----	1	-----	-----	Tex.
Bromeliad-----	do-----	-----	-----	1	Tex.
Orchid-----	do-----	-----	-----	1	Tex.

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<i>Aspidiotus capensis</i> Newst. (Coccidae) (tentative): <i>Euphorbia</i> sp. (leaf)-----	Republic of South Africa.	-----	-----	1	N.J.
<i>Aspidiotus destructor</i> Sign. (Coccidae): <i>Cocos nucifera</i> (coconut) cap and stem-----	Costa Rica, Mexico, Panama.	5	2	-----	Calif.*
Leaf—unidentified-----	Philippines-----	-----	1	-----	Hawaii.
<i>Musa X paradisiaca</i> (banana)-----	Ecuador-----	1	-----	-----	Calif.*
<i>Aspidiotus diffinis</i> (Newst.) (Coccidae): <i>Citrus reticulata</i> (Mandarin orange)-----	Japan-----	-----	1	-----	Calif.*
<i>Persea</i> spp. (budwood)-----	Mexico-----	-----	-----	1	Calif.*
<i>Aspidiotus excisus</i> Green (Coccidae): <i>Citrus sinensis</i> (sweet orange)-----	Trinidad-----	-----	1	-----	Calif.*
<i>Cocos nucifera</i> (coconut) cap-----	Mexico-----	1	-----	-----	Calif.*
<i>Aspidiotus herculeanus</i> Ckll. & Hadden (Coccidae): <i>Plumeria</i> sp. (frangipani)-----	Hawaii-----	-----	-----	2	Calif.*
<i>Aspidiotus palmae</i> Ckll. (Coccidae): <i>Areca cathecu</i> (betel palm) calyx of fruit-----	Guam-----	1	-----	-----	Wash.
<i>Neoregelia</i> sp. (bromeliad) leaf-----	Netherlands-----	-----	-----	1	Fla.
Orchid (leaf)-----	New Guinea-----	-----	-----	1	Calif.*
Palm (leaf)-----	Federation of Malaysia.	-----	-----	1	Calif.*
<i>Aspidotus putearis</i> Green (Coccidae): <i>Citrus limon</i> (lemon)-----	Italy-----	-----	1	-----	Calif.*
<i>Asterobemisia carpini</i> (Koch) (Aleyrodidae): Leaf—unidentified-----	France-----	-----	1	-----	Calif.*
<i>Ribes</i> sp. (leaf)-----	France, unknown-----	-----	3	-----	N.Y.
<i>Asterolecanium bambusae</i> (Bdv.) (Coccidae): Bamboo-----	Hawaii, Mexico-----	1	-----	1	Calif.,* Tex.
<i>Bambusa</i> sp-----	Mexico, Panama-----	-----	-----	2	Calif.*
<i>Asterolecanium epidendri</i> (Bouche) (Coccidae): <i>Chamaedorea elegans</i> (palm) leaf-----	Mexico-----	1	-----	-----	Tex.
<i>Mazillaria</i> sp. (orchid)-----	Venezuela-----	-----	-----	1	Fla.
<i>Aulacaspistubercularis</i> Newst. (Coccidae): <i>Mangifera indica</i> (mango)-----	El Salvador, Guatemala, Nicaragua, Philippines.	7	-----	-----	Calif.,* Wash.
<i>Austrotortrix postvittana</i> (Wlk.) (?) (Tortricidae): <i>Malus sylvestris</i> (apple)-----	New Zealand-----	3	-----	-----	Hawaii.
<i>Prunus domestica</i> (plum)-----	do-----	1	-----	-----	Hawaii.
<i>Batrachedralinaria</i> Clarke (Cosmopterigidae): <i>Agave shawii</i> -----	Mexico-----	-----	-----	5	Calif.
<i>Bephrata maculicollis</i> Cam. (Eurytomidae): <i>Annona</i> sp-----	Costa Rica-----	-----	1	-----	Tex.
<i>Betulaphis quadrituberculatus</i> (Kltb.) (Aphidae): Airplane-----	Australia-----	-----	1	-----	Hawaii.
<i>Bibio hortulanus</i> (L.) (Bibionidae): <i>Brassica oleracea</i> var. <i>botrytis</i> (cauliflower)-----	France-----	-----	1	-----	N.Y.
<i>Blastodacna atra</i> (Haw.) (Cosmopterigidae): <i>Malus sylvestris</i> (apple)-----	Germany, Poland-----	2	-----	-----	N.Y.
<i>Blennocampa pusilla</i> (Klug) (Tenthredinidae): <i>Rosa</i> sp. (rose) cut flower-----	England-----	1	-----	-----	N.Y.
<i>Brachycerus albidentatus</i> Gyll. (Curculionidae): <i>Allium sativum</i> (garlic)-----	Italy-----	6	-----	-----	N.Y.
<i>Brachycerus algirus</i> (F.) (Curculionidae): <i>Allium sativum</i> (garlic)-----	Italy, Spain-----	9	1	-----	N.Y., P.R.
<i>Bradybaena similis</i> (Fer.) (Bradybaenidae): <i>Anthurium</i> sp. (cut flower)-----	Hawaii-----	2	-----	-----	Hawaii.
<i>Colocasia esculenta</i> (dasheen) plant-----	do-----	-----	-----	1	Hawaii.
<i>Cordyline terminalis</i> (ti)-----	do-----	1	-----	-----	Hawaii.
Flowers-----	do-----	1	-----	-----	Hawaii.
Military cargo-----	Bermuda-----	1	-----	-----	N.Y.
Orchid (cut flower)-----	Hawaii-----	1	-----	-----	Hawaii.
<i>Phaius wallichii</i> (orchid) cut flower-----	do-----	1	-----	-----	Hawaii.
<i>Vanda</i> 'Miss Joachim' (orchid) cut flower-----	do-----	2	-----	-----	Hawaii.
<i>Brevipalpus chilensis</i> Baker (Tenuipalpidae): <i>Citrus limon</i> (lemon)-----	Unknown-----	-----	1	-----	Fla.



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<i>Brevipalpus obovatus</i> Donn. (Tenuipalpidae):					
<i>Chamaecyparis pisifera</i> (Sawara falsecypress) ..	Japan .....	1			Hawaii.
<i>Citrus aurantifolia</i> (sour lime) .....	Brazil .....		1		Fla.
<i>Diospyros kaki</i> (kaki persimmon) .....	Japan .....	1			Hawaii.
<i>Spathoglottis</i> sp. (orchid) plant .....	Formosa .....			1	Hawaii.
<i>Bruchidius caeruleus</i> (Champ.) (Bruchidae):					
<i>Desmodium</i> sp. (tick clover) .....	Burma .....			1	D.C.
<i>Bruchidius debilis</i> (Gyll.) (Bruchidae):					
<i>Laburnum anagyroides</i> (goldenchain laburnum).	Italy .....			2	N.J.
<i>Bruchidius gilvus</i> (Gyll.) (Bruchidae):					
<i>Castanea</i> sp. (chestnut) .....	do .....	1			N.Y.
<i>Hedysarum coronarium</i> (sulla sweet-vetch) ..	do .....			1	N.Y.
<i>Triticum aestivum</i> (wheat) .....	do .....	1			N.Y.
<i>Bruchidius incarnatus</i> (Boh.) (Bruchidae):					
<i>Lens culinaris</i> (lentil) .....	do .....		1		N.C.
<i>Bruchidius marginalis</i> (F.) (Bruchidae):					
<i>Astragalus cicer</i> (secd) .....	Yugoslavia .....			1	D.C.
<i>Bruchidius meleagrinus</i> (Géné) (Bruchidae):					
<i>Lens culinaris</i> (lentil) .....	Italy .....	1			N.Y.
<i>Bruchidius unicolor</i> (Ol.) (Bruchidae):					
<i>Spartium juncenm</i> (weavers-broom) seed ..	do .....			1	N.J.
<i>Bruchidius unicolor</i> (Ol.) (?) (Bruchidae):					
<i>Pisum sativum</i> (pea) seed .....	Republic of the Congo.			1	D.C.
<i>Bruchidius villosus</i> (F.) (Bruchidae):					
<i>Cytisus scoparius</i> (Scotch-broom) .....	Belgium, England, Italy.			4	N.J., Pa.
<i>Laburnum anagyroides</i> (goldenchain laburnum) seed.	Austria, Germany .....			2	N.J.
<i>Bruchus azoricus</i> Crotch (Bruchidae):					
<i>Vicia sativa</i> (vetch) seed .....	Portugal .....			2	N.Y.
<i>Bruchus dentipes</i> (Baudi) (Bruchidae):					
<i>Vicia faba</i> (broadbean) .....	Greece, Iran, Italy .....	5			Ill., Md., Mass., N.Y.
<i>Bruchus emarginatus</i> Allard (Bruchidae):					
<i>Lathyrus</i> sp. (peavine) seed .....	Portugal .....			1	N.Y.
<i>Bruchus ervi</i> Froel. (Bruchidae):					
Baggage (with <i>Rosa</i> sp.) .....	France .....	1			N.Y.
<i>Lens culinaris</i> (lentil) .....	France, Germany, Greece, Italy, Lebanon, Mexico, Turkey, unknown.	21	3	1	D.C., Ill., La., Md., Mass., N.Y.
<i>Bruchus lentis</i> Froel. (Bruchidae):					
<i>Lens culinaris</i> (lentil) .....	Cyprus, France, Germany, Greece, Italy, Morocco, Netherlands, Spain, Turkey, United Arab Republic, unknown.	22	11		Fla., Ill., La., Mass., Mich., N.J., N.Y., N.C., Pa., S.C., Tex.
<i>Vicia faba</i> var. <i>equina</i> (horsebean) .....	Spain .....			1	Pa.
<i>V. sativa</i> (vetch) seed .....	Lebanon .....	1			N.Y.
<i>Vicia</i> sp. (seed) .....	Portugal .....			1	N.Y.
<i>Bruchus rufipes</i> Hbst. (Bruchidae):					
Baggage .....	Italy .....	1			N.Y.
Legume (secd) .....	Spain .....			1	N.Y.
<i>Pisum sativum</i> (pea) .....	Italy .....	1			N.Y.
Stores (with <i>Brassica oleracea</i> var. <i>capitata</i> (cabbage)).	Germany .....		1		N.Y.
<i>Vicia faba</i> (broadbean) .....	England, Italy .....	1		1	N.Y., Wash.
<i>V. sativa</i> (vetch) seed .....	Azores, France, Italy .....	6			Md., Mass., N.Y.
<i>V. tenuifolia</i> (bramble vetch) seed .....	Czechoslovakia .....			1	D.C.
<i>Vicia</i> sp. (seed) .....	Azores, France, Yugoslavia.	1		3	D.C., Mass., N.J.
<i>Bruchus rufipes luteicornis</i> Ill. (Bruchidae):					
<i>Vicia sativa</i> (vetch) seed .....	Italy, Portugal .....	3			N.J., N.Y.

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<i>Bruchus signaticornis</i> Gyll. (Bruchidae):					
<i>Lathyrus sativus</i> (grass peavine) seed	Italy	1			N.Y.
<i>Lens culinaris</i> (lentil) seed	Greece, Italy, Spain	11	2		Md., N.Y., Ohio, Tex. N.Y.
<i>Vicia faba</i> (broadbean) seed	Italy	2			
<i>Bruchus tristiculus</i> Fahr. (Bruchidae):					
<i>Lathyrus odoratus</i> (sweet pea) seed	Greece			1	S.C.
<i>L. sativus</i> (grass peavine) seed	Azores, Italy	2			Mass., N.Y.
<i>Lathyrus</i> sp. (peavine) seed	France, Italy, Portugal.	3		3	Mass., N.J., N.Y.
Legume (seed)	Azores			1	Mass.
<i>Pisum sativum</i> (pea) seed	Israel, Italy	2		1	N.Y.
<i>Vicia faba</i> (broadbean) seed	Italy	2			N.J., N.Y.
<i>Bruchus tristis</i> Boh. (Bruchidae):					
<i>Cicer arietinum</i> (chickpea)	do	1			N.Y.
<i>Lathyrus sativus</i> (grass peavine) seed	do	5		4	N.Y.
<i>Lathyrus</i> sp. (seed)	do	10		1	Mass., N.Y.
<i>Pisum sativum</i> (pea)	Greece, Italy	1	1		N.Y.
<i>Vicia faba</i> (broadbean)	Italy, Yugoslavia	1		1	N.Y., Wash.
<i>Bruchus ulicis</i> Muls. (Bruchidae):					
<i>Lens culinaris</i> (lentil)	Greece	1			N.Y.
<i>Bruchus viciae</i> Ol. (Bruchidae):					
<i>Lathyrus latifolius</i> (perennial pea) seed	France, Netherlands			3	N.J., N.Y.
<i>Bryobia ehari</i> Pritchard & Keifer (Tetranychidae):					
<i>Chrysanthemum morifolium</i>	Japan	2			Hawaii.
<i>Cacoecimorpha pronubana</i> (Hbn.) (Tortricidae):					
<i>Dianthus caryophyllus</i> (carnation)	Spain	1			N.Y.
<i>Rosa</i> sp. (plant)	Italy			1	N.Y.
<i>Callidium rufipenne</i> Motsch. (Cerambycidae):					
Dunnage	Japan		1		Fla.
Wood (crate)	do	2			Tex.
<i>Callosobruchus analis</i> (F.) (Bruchidae):					
<i>Pisum sativum</i> (pea)	Federation of Malaysia.		1		Wash.
<i>Calyptocephala gerstaeckeri</i> Boh. (Chrysomelidae):					
<i>Chamaedorea</i> sp. (palm) leaf	Mexico	3			Tex.
<i>Carposina niponensis</i> Wlsm. (Carposinidae):					
<i>Malus sylvestris</i> (apple)	Japan		10		Hawaii., La., N.C., Pa., Wash.
<i>Caryedon gonagra</i> (F.) Bruchidae:					
<i>Adenanthera pavonina</i> (sandal beadtrees) seed	Hawaii	1			Hawaii.
<i>Arachis hypogaea</i> (peanut)	Senegal, West Africa	1	1		N.Y., Ohio.
Baggage	Hawaii	1			Hawaii.
Ballast	Unknown		1		Mich.
<i>Cajanus cajan</i> (pigeonpea)	India		1		La.
<i>Cassia javanica</i> (appleblossom senna) pod	Hawaii	1			Hawaii.
<i>Cassia</i> sp. (pod)	do	4			Hawaii.
<i>Phaseolus vulgaris</i> (bean)	India		1		Tex.
<i>Plumeria</i> sp. (frangipani)	Guam		1		Hawaii.
Stores	India, unknown		2		Ill., La.
<i>Tamarindus indica</i> (tamarind) pod	British Guiana, Curacao, India, Mexico, Philippines, Thailand.	14	4		D.C., Hawaii, Ill., Mich., N.J., N.Y. Tex., Wash.
<i>Carystoides basochesii replana</i> (Plotz) (Hesperiidae):					
<i>Chamaedorea oblongata</i> (palm) leaf	Mexico	1			Tex.
<i>Carystoides lebbaeus</i> (Hcw) (Hesperiidae):					
<i>Chamaedorea elegans</i> (palm) leaf	do	1			Tex.
<i>Chamaedorea</i> sp. (leaf)	do	2			Tex.
<i>Cecilioides acicula</i> (Müller) (Achatinidae):					
<i>Daucus carota</i> var. <i>sativa</i> (carrot)	Netherlands		1		Fla.
Soil	Israel	1			Mass.
<i>Cenopalpus pulcher</i> (C. & F.) (Tenuipalpidae):					
Cutting—unidentified	Italy			1	N.Y.
<i>Malus sylvestris</i> (apple)	Spain		1		Tex.



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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Ceratitis capitata</i> (Wied.) (Tephritidae):					
Baggage (with sphagnum moss packing)-----	Hawaii-----	1	-----	-----	Hawaii.
Cactus (fruit)-----	Italy-----	3	-----	-----	N.Y.
<i>Calophyllum inophyllum</i> (Indiapoon beauty-leaf) fruit.	Hawaii-----	2	-----	-----	Hawaii.
<i>Capsicum annuum</i> (pepper)-----	Federation of Rhodesia and Nyasaland, Greece, Liberia.	7	-----	-----	N.Y.
<i>C. annuum</i> var. <i>grossum</i> (bell pepper)-----	Italy, Senegal-----	-----	2	-----	Ala., Pa.
<i>Carica papaya</i> (papaya)-----	Hawaii-----	1	-----	-----	Hawaii.
<i>Citrus mitis</i> (calamondin orange)-----	do-----	1	-----	-----	Hawaii.
<i>C. paradisi</i> (grapefruit)-----	Argentina, Italy, Morocco, Spain, unknown.	1	5	-----	Fla., Mass., N.Y.
<i>C. reticulata</i> (Mandarin orange)-----	Africa (country(?)), Hawaii, Italy, Portugal, United Arab Republic, unknown.	10	4	-----	Hawaii, N.Y., P.R., S.C., Tex.
<i>C. sinensis</i> (sweet orange)-----	Argentina, Azores, Brazil, Cyprus, Europe (country(?)), Greece, Israel, Italy, Jordan, Morocco, Portugal, Republic of South Africa, Spain, United Arab Republic, unknown.	22	25	-----	Ala., Fla., Md., Mass. Minn., N.Y., Pa., P.R., Tex.
<i>C. sinensis</i> var. <i>shamuti</i> -----	Israel-----	2	-----	-----	N.Y.
<i>Coffea arabica</i> (Arabian coffee) berry-----	Brazil, Costa Rica, Hawaii, unknown.	63	-----	-----	Fla., Hawaii, N.Y., Tex.
<i>Cydonia oblonga</i> (quince)-----	France, Greece, Italy--	11	-----	-----	N.Y.
<i>Diospyros kaki</i> (kaki persimmon)-----	Italy-----	1	-----	-----	N.Y.
<i>Diospyros</i> sp-----	do-----	3	-----	-----	N.Y.
<i>Eugenia malaccensis</i> (Malay-apple)-----	Hawaii-----	1	-----	-----	Hawaii.
<i>Eugenia</i> sp. (fruit)-----	do-----	2	-----	-----	Hawaii.
<i>Ficus carica</i> (fig)-----	Argentina, Brazil, Greece, Italy, Lebanon, Portugal, unknown, Uruguay.	30	2	-----	Mass., N.Y., Ohio, P.R.
Fruit—unidentified-----	Italy-----	1	-----	-----	N.Y.
<i>Malus sylvestris</i> (apple)-----	Azores, Italy, Malta, Portugal, Spain.	6	3	-----	Calif.,* Fla., N.Y., P.R., Va.
<i>Mangifera indica</i> (mango)-----	Hawaii, United Arab Republic.	3	-----	-----	Hawaii, N.Y.
<i>Opuntia humifusa</i> (pricklypear)-----	Italy-----	13	-----	-----	N.Y.
<i>Phoenix dactylifera</i> (date)-----	Lebanon-----	1	-----	-----	Ohio.
<i>Pistacia vera</i> (common pistache) pulpcovering nut.	do-----	1	-----	-----	Ohio.
<i>Prunus armeniaca</i> (apricot)-----	France, Italy, Spain, unknown.	-----	4	-----	N.Y.
<i>P. domestica</i> (plum)-----	Azores, Italy, Portugal.	3	-----	-----	Mass., N.Y.
<i>P. persica</i> (peach)-----	Argentina, France, Greece, Israel, Italy, Peru, Portugal, Spain, unknown.	20	9	-----	Calif.,* Fla., Ill., Mass., N.J., N.Y., P.R., Va.
<i>P. persica</i> var. <i>nectarina</i> (nectarine)-----	Azores, Italy-----	2	-----	-----	Mass., N.Y.
<i>Psidium guajava</i> (guava)-----	Azores, Hawaii-----	4	-----	-----	Hawaii, Mass.
<i>Punica granatum</i> (pomegranate)-----	Argentina, Hawaii, Italy.	8	-----	-----	Fla., Hawaii, N.Y.
<i>Pyrus communis</i> (pear)-----	Azores, France, Israel, Italy, Malta, Portugal.	12	-----	-----	Calif.,* Ill., Mass., Mich., N.Y.
<i>Terminalia catappa</i> (tropical almond)-----	Hawaii-----	3	-----	-----	Hawaii.
<i>Zizyphus</i> sp. (jujube) dried-----	Italy-----	1	-----	-----	N.Y.

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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Noreentry	Propagations	
<i>Ceratitis capitata</i> (Wied.) (?) (Tephritidae):					
<i>Capsicum annuum</i> (pepper)-----	Argentina, Liberia-----	1	1	-----	N.Y.
<i>Citrus sinensis</i> (sweet orange)-----	Argentina, Bermuda(?), Italy.	1	2	-----	Mass., N.Y., S.C.
<i>Coffea arabica</i> (Arabian coffee)-----	Brazil, Costa Rica, Hawaii.	4	-----	-----	Hawaii, N.Y., Tex.
<i>Juglans regia</i> (English walnut)-----	Greece-----	1	-----	-----	N.Y.
<i>Lycopersicon esculentum</i> (tomato)-----	Australia(?)-----	-----	1	-----	Hawaii.
<i>Mangifera indica</i> (mango)-----	United Arab Republic.	1	1	-----	N.Y., Pa.
<i>Prunus armeniaca</i> (apricot)-----	Canary Islands-----	-----	1	-----	Tex.
<i>P. persica</i> (peach)-----	Israel-----	1	-----	-----	N.Y.
<i>Ceratitis colae</i> Silv. (?) (Tephritidae):					
<i>Cola acuminata</i> (Sudan colanut) nut-----	Nigeria-----	1	-----	-----	N.Y.
<i>Ceratitis rubivora</i> Coq. (Tephritidae):					
<i>Rubus</i> sp. (seed)-----	Ethiopia-----	-----	-----	1	D.C.
<i>Cerconota anonella</i> (Sepp) (Stenomidae):					
<i>Annona muricata</i> (soursop)-----	Panama-----	1	-----	-----	Ala.
<i>A. reticulata</i> (custard-apple)-----	Honduras-----	1	-----	-----	Fla.
<i>Cerodontha denticornis</i> (Panzer) (Agromyzidae):					
<i>Crassula perfoliata</i> (thorowort crassula)-----	Azores-----	-----	-----	1	Del.
<i>Ceroplastes ceriferus</i> (And.) (Coccidae):					
<i>Cycas revoluta</i> (Sago palm)-----	Japan-----	-----	-----	1	Hawaii.
<i>Ceroplastes rubens</i> Mask. (Coccidae):					
<i>Anthurium</i> sp. (leaf)-----	Hawaii-----	1	-----	-----	Hawaii.
<i>Hedera helix</i> (English ivy) leaf-----	Unknown-----	-----	1	-----	Hawaii.
<i>Metrosideros</i> sp. (iron tree) leaf-----	Hawaii-----	1	-----	-----	Hawaii.
Plant—unidentified (leaf)-----	Australia-----	-----	-----	1	Hawaii.
<i>Ceutorhynchus erysimi</i> (F.) (Curculionidae):					
Nursery stock-----	Netherlands-----	-----	-----	1	N.J.
<i>Chaetanaphothrips orchidii</i> (Moulton) (Thripidae):					
<i>Izora</i> sp. (lei)-----	American Samoa-----	1	-----	-----	Hawaii.
Orchid (plant)-----	Mexico-----	-----	-----	1	Tex.
<i>Chalciope hyppasia</i> (Cram.) (Noctuidae):					
Airplane-----	China, unknown-----	-----	2	-----	Hawaii.
<i>Chilo loftini</i> Dyar (Crambidae):					
<i>Saccharum officinarum</i> (sugarcane)-----	Mexico-----	60	-----	-----	Ariz., Calif., Tex.
<i>Chilo suppressalis</i> (Wlk.) (Crambidae):					
<i>Oryza sativa</i> (rice) husk, straw, and straw jacket.	Japan, Philippines, Spain.	10	1	-----	Calif.,* Hawaii, N.Y., Tex.
<i>Chionaspis salicis</i> (L.) (Coccidae):					
<i>Tilia cordata</i> (littleleaf linden) stem-----	Germany-----	-----	-----	1	D.C.
<i>Chlorophorus annularis</i> (F.) (Cerambycidae):					
Bamboo (poles at center of rolled rugs)-----	Japan-----	1	-----	-----	N.C.
<i>Choranthus vitellius</i> (F.) (Hesperiidae):					
Airplane-----	British Virgin Islands, St. Kitts.	-----	2	-----	Am. V.I.
<i>Chrysomphalus albopictus</i> (Ckll.) (Coccidae):					
<i>Citrus aurantifolia</i> (sour lime)-----	Mexico-----	-----	1	-----	Calif.*
<i>Cocos nucifera</i> (coconut) cap-----	Costa Rica, Mexico-----	2	-----	-----	Calif.*
Orchid (leaf)-----	Canal Zone, Guatemala.	-----	-----	2	Calif.*
<i>Persea</i> sp. (budwood)-----	Mexico-----	-----	-----	1	Calif.*
<i>Chrysomphalus calurus</i> (Ckll.) (Coccidae):					
<i>Spondias mombin</i> (yellow mombin)-----	Nicaragua-----	1	-----	-----	Calif.*
<i>Chrysomphalus odontoglossus</i> (Ckll.) (Coccidae):					
Orchid (pseudobulb)-----	Jamaica-----	-----	-----	1	Fla.
Palm (leaf)-----	Mexico-----	1	-----	-----	Tex.
<i>Chrysomphalus personatus</i> (Comst.) (Coccidae):					
Bromeliad (leaf)-----	Netherlands-----	-----	-----	1	Fla.
<i>Citrus aurantifolia</i> (sour lime)-----	Brazil-----	-----	2	-----	Calif.*
<i>C. sinensis</i> (sweet orange)-----	Brazil, unknown-----	1	5	-----	Calif.,* N.Y.
<i>Cocos nucifera</i> (coconut) cap-----	Mexico-----	1	-----	-----	Calif.*
<i>Chrysomphalus tingi</i> (McKenzie) (Coccidae):					
<i>Phalaenopsis lueddemanniana</i> (orchid)-----	Philippines-----	-----	-----	1	Hawaii.
<i>Chrysomphalus umboniferus</i> (Newst.) (Coccidae):					
<i>Philodendron</i> sp. (leaf)-----	Brazil-----	-----	-----	1	Calif.*
<i>Cladius isomerus</i> Nort. (Tenthredinidae):					
<i>Rosa</i> sp. (leaf)-----	Mexico-----	1	-----	-----	Tex.



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		Consump- tion	Nonentry	Propaga- tion	
<i>Cladius pectinicornis</i> (Fourc.) (Tenthredinidae): <i>Rosa</i> sp.-----	Denmark, England, Germany, Israel, Scotland, Switzer- land.	8	1	1	Mass., N.Y.
<i>Clysiana ambiguella</i> (Hbn.) (Phaloniidae): <i>Vitis</i> sp. (grape)-----	Hungary, unknown---	1	1	---	N.Y.
<i>Coccus viridis</i> (Green) (Coccidae): <i>Coffea</i> sp. (coffee)-----	Hawaii-----	1	---	---	Hawaii.
<i>Gardenia jasminoides</i> (cut flower)-----	do-----	19	---	---	Hawaii.
<i>Gymostachyum leptostachyum</i> -----	Indonesia-----	---	---	1	Hawaii.
Orchid-----	Ecuador-----	---	---	1	Calif.*
<i>Cochlicella barbara</i> (L.) (Helicellidae): <i>Allium sativum</i> (garlic)-----	Morocco-----	---	1	---	N.Y.
Automobile-----	Libya, Morocco-----	2	---	---	N.Y., S.C.
Military cargo-----	Crete, France, Greece, Morocco, Spain.	27	---	---	Del., La., Mass., N.Y., S.C., Va.
<i>Mirabilis jalapa</i> (common four-o'clock) seed.---	France-----	---	---	1	Pa.
<i>Cochicella ventrosa</i> (Fer.) (Helicellidae): <i>Allium porrum</i> (leek)-----	Portugal-----	---	2	---	N.Y.
Automobile-----	Libya-----	1	---	---	S.C.
<i>Brassica oleracea</i> var. <i>capitata</i> (cabbage)-----	Portugal-----	---	1	---	N.Y.
<i>Lactuca sativa</i> (lettuce)-----	Italy-----	---	1	---	N.Y.
Military cargo-----	Azores, Morocco, Spain, unkown.	13	---	---	La., Mass., N.C., S.C., Va.
<i>Coelonertus nigrirostris</i> Solari (Curculionidae): <i>Chamaedorea elegans</i> (palm) stem-----	Mexico-----	5	---	---	Tex.
<i>Conoderus exsul</i> (Sharp) (Elateridae): <i>Vanda</i> hybrid (orchid) flower-----	Hawaii-----	1	---	---	Hawaii.
<i>Conotelus mexicanus</i> Murr. (Nitidulidae): Bromeliad-----	Mexico-----	---	---	1	Tex.
<i>Chrysanthemum</i> sp. (cut flower)-----	do-----	1	---	---	Tex.
<i>Delphinium</i> sp. (cut flower)-----	do-----	1	---	---	Ariz.
<i>Gladiolus</i> sp. (cut flower)-----	do-----	1	---	---	Ariz.
<i>Medicago sativa</i> (alfalfa)-----	do-----	1	---	---	Tex.
<i>Vanda</i> 'Miss Joachim' (orchid)-----	Hawaii-----	14	---	---	Hawaii.
Vegetables-----	Mexico-----	1	---	---	Tex.
<i>Conotrachelus aguacatae</i> Barber (Curculionidae): <i>Persea americana</i> (avocado) fruit and seed-----	do-----	1	---	1	Tex.
<i>P. americana</i> var. <i>drymifolia</i> (Mexican avocado)-----	do-----	1	---	---	Calif.
<i>Conotrachelus perseae</i> Barber (Curculionidae): <i>Persea americana</i> (avocado) seed-----	Costa Rica-----	---	---	1	Tex.
<i>Coptotermes formosanus</i> Shiraki (Rhinotermitidae): Mail package-----	Hawaii-----	1	---	---	Hawaii.
<i>Cordylomera spinicornis</i> (F.) (?) (Cerambycidae): <i>Khaya</i> sp. (mahogany) log-----	West Africa-----	1	---	---	Va.
<i>Cosmopolites sordidus</i> (Germ.) (Curculionidae): <i>Musa X paradisiaca</i> (banana)-----	Panama-----	1	---	---	S.C.
<i>Musa</i> sp. (plant)-----	Canal Zone-----	---	---	1	Fla.
<i>Crenidorsum stigmaphylli</i> Rsl. (Aleyrodidae): Leaf—unidentified-----	Dominican Republic---	---	---	1	Fla.
<i>Cryphula apicata</i> (Dist.) (Lygaeidae): Cactus (plant)-----	Mexico-----	---	---	1	Tex.
<i>Cryptoblabes gnidiella</i> (Mill.) (Phycitidae): <i>Citrus sinensis</i> (sweet orange)-----	Greece, Italy, Spain, unknown.	---	9	---	Del., N.Y., N.C., Pa.
<i>Cydonia oblonga</i> (quince)-----	Italy-----	1	---	---	N.Y.
<i>Mangifera indica</i> (mango)-----	Cape Verde Islands---	1	---	---	N.Y.
<i>Punica granatum</i> (pomegranate)-----	Greece, Italy, Portu- gal, Venezuela, Yugoslavia.	14	---	---	N.Y.
<i>Cryptophlebia illepidia</i> (Btlr.) (Olethreutidae): <i>Canavalia microcarpa</i> (mauna loa) seed-----	Hawaii-----	---	---	1	Hawaii.
<i>Macadamia ternifolia</i> (Queenslandnut maca- damia).	do-----	2	---	---	Hawaii.

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<i>Cryptophlebia ombrodelta</i> (Lower) (Olethreutidae):					
<i>Euphoria longan</i> .....	Hawaii.....	1			Hawaii.
<i>Litchi chinensis</i> (lychee) nut.....	Hawaii, Vietnam.....	2			Hawaii, Va.
<i>Macadamia ternifolia</i> (Queenslandnut macadamia).	Hawaii.....	1			Hawaii.
<i>Phaseolus lunatus</i> (lima bean).....	do.....	1			Hawaii.
<i>P. vulgaris</i> (bean) pod.....	do.....	1			Hawaii.
<i>Poinciana pulcherrima</i> (flowerfence poinciana) pod.	do.....	1			Hawaii.
<i>Cryptotermes brevis</i> (Wlk.) (Kalotermitidae):					
Paper (sack and wrapping).....	China, Hawaii.....	2			Fla., Hawaii.
Wood (barrel and tree limb).....	Haiti, Hawaii.....	2			Calif.,* Fla.
<i>Curculio elephas</i> (Gyll.) (Curculionidae):					
<i>Castanea sativa</i> (European chestnut).....	Italy, Portugal.....	23			Ill., N.Y., P.R.
<i>Castanea</i> sp. (chestnut).....	France, Greece, Italy, Portugal, Spain, Switzerland, Yugoslavia.	83	3		Ill., Mass., N.Y.
<i>Curculio nucum</i> (L.) (Curculionidae):					
<i>Corylus avellana</i> (European filbert).....	Italy, Switzerland.....	1	1		N.Y.
<i>Corylus</i> sp. (hazelnut).....	do.....	2			N.Y.
<i>Cyane terpsichorella</i> Busck (Tineidae):					
Baggage (with banana).....	Hawaii.....	1			Hawaii.
<i>Cyclocephala discicollis</i> Arrow (Scarabaeidae):					
Airplane.....	Panama.....		1		Fla.
<i>Cylas formicarius</i> (F.) (Curculionidae):					
Airplane.....	Australia.....		1		Hawaii.
<i>Cylas formicarius</i> (F.) var. (Curculionidae):					
<i>Ipomoea batatas</i> (sweetpotato).....	Hong Kong.....		1		Calif.*
<i>Cylas formicarius elegantulus</i> (Summers) (Curculionidae):					
Bagging (empty burlap bag).....	Cuba.....		1		Fla.
Cargo (with banana).....	Haiti.....	1			Fla.
<i>Ipomoea batatas</i> (sweetpotato).....	Antigua, Cuba, Dominican Republic, Mexico, Puerto Rico, Trinidad.	8	5		Am. V.I., Fla., Pa., P.R., Tex.
Quarters (on sack of mangoes).....	Mexico.....		1		Tex.
<i>Cylas formicarius formicarius</i> (F.) (Curculionidae):					
<i>Ipomoea batatas</i> (sweetpotato).....	Hong, Kong, Japan, Philippines.	1	2	1	Calif.,* Fla., Hawaii, Md.
<i>Cylas puncticollis</i> Boh. (Curculionidae):					
<i>Ipomoea batatas</i> (sweetpotato).....	Kenya, Liberia, Nigeria, Sierra Leone.	5	6		Md., Mass., N.Y., Pa., Va.
<i>Cylindrocopturus tetralobus</i> Champ. (?) (Curculionidae):					
Bromeliad.....	Mexico.....			1	Tex.
<i>Dactynotus sonchi</i> (L.) (Aphidae):					
<i>Lactuca sativa</i> (lettuce).....	Netherlands.....		1		Pa.
<i>Dacus cucurbitae</i> (Coq.) (Tephritidae):					
<i>Capsicum annuum</i> var. <i>grossum</i> (bell pepper).....	Hawaii.....		1		Calif.*
<i>C. annuum</i> var. <i>longum</i> (chili pepper).....	Thailand.....	1			Hawaii.
<i>Cucumis sativus</i> (cucumber).....	Hawaii, Ivory Coast.....		2		Calif.,* Mass.
<i>Momordica charantia</i> (balsam-pear).....	Philippines.....	1			Hawaii.
<i>Dacus cucurbitae</i> (Coq.) (?) (Tephritidae):					
<i>Cucumis sativus</i> (cucumber).....	Hawaii.....		4		Calif.*
<i>Dacus dorsalis</i> Hend. (Tephritidae):					
<i>Averrhoa carambola</i> (carambola) fruit.....	do.....	1			Hawaii.
Baggage.....	do.....	1			Hawaii.
<i>Calophyllum inophyllum</i> (Indiapoon beauty-leaf) fruit.	do.....	2			Calif.,* Hawaii.
<i>Capsicum annuum</i> (pepper).....	do.....	1			Calif.*
<i>Carica papaya</i> (papaya).....	do.....	3		1	Hawaii.
<i>Eugenia jambos</i> (rose-apple).....	do.....	2			Hawaii.
<i>E. malaccensis</i> (Malay-apple).....	do.....	2			Hawaii.
<i>Eugenia</i> sp. (fruit).....	do.....	2			Hawaii.
<i>Mangifera indica</i> (mango).....	Hawaii, Philippines.....	19	1		Calif.,* Hawaii.



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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump- tion	Nonentry	Propaga- tion	
<i>Dacus dorsalis</i> Hend.—Continued					
<i>Persea americana</i> (avocado)-----	Hawaii-----	4	-----	-----	Hawaii.
<i>Psidium guajava</i> (guava)-----	do-----	2	-----	-----	Hawaii.
<i>Terminalia catappa</i> (tropical almond)-----	do-----	2	-----	-----	Hawaii.
<i>Dacus dorsalis</i> Hend.(?) (Tephritidae):					
<i>Aleurites moluccana</i> (candlenut-tree)-----	do-----	1	-----	-----	Hawaii.
<i>Mangifera indica</i> (mango)-----	do-----	6	-----	-----	Hawaii.
<i>Persea americana</i> (avocado)-----	do-----	1	-----	-----	Hawaii.
<i>Psidium guajava</i> (guava)-----	Hawaii, India-----	2	-----	-----	Hawaii.
<i>Dacus oleae</i> (Gmel.) (Tephritidae):					
Baggage (with lemon)-----	Italy-----	1	-----	-----	N.Y.
<i>Olea europaea</i> (olive)-----	Europe (country(?)), France, Greece, Israel, Italy, Lebanon, Spain. Republic of South Africa. Ethiopia-----	76	1	-----	Md., Mass., Mich., N.J., N.Y., Ohio, Pa., Tex. D.C.
<i>O. verrucosa</i> (wartly olive) seed-----	Italy-----	-----	-----	1	Tex.
<i>Olea</i> sp. (branch with fruit)-----	Italy-----	1	-----	-----	N.Y.
<i>Dacus oleae</i> (Gmel.)(?) (Tephritidae):					
<i>Olea europaea</i> (olive)-----	Italy-----	1	-----	-----	Am. V.I., P.R.
<i>Deltocephalus maculellus</i> Osborn (Cicadellidae):					
Airplane-----	British West Indies (island(?)), St. Kitts. Italy-----	-----	2	-----	N.Y.
<i>Depressaria erinaceella</i> Stgr. (Oecophoridae):					
<i>Cynara scolymus</i> (artichoke)-----	Italy-----	2	-----	-----	Fla.
<i>Diabrotica speciosa</i> (Germ.) (Chrysomelidae):					
Airplane-----	Unknown-----	-----	1	-----	N.J., N.Y.
<i>Dialeurodes chittendeni</i> Laing (Aleyrodidae):					
<i>Rhododendron</i> sp-----	England, Netherlands-----	-----	-----	4	Fla., N.Y.
<i>Dialeurodes citrifolii</i> (Morg.) (Aleyrodidae):					
<i>Citrus</i> sp. (leaf)-----	Dominican Republic, Jamaica. Hawaii, Tahiti-----	2	-----	-----	Hawaii.
<i>Dialeurodes kirkaldyi</i> (Kot.) (Aleyrodidae):					
<i>Gardenia jasminoides</i> (leaf)-----	Hawaii, Philippines-----	2	-----	3	D.C., Hawaii.
<i>Jasminum sambac</i> (Arabian jasmine) leaf-----	China-----	1	-----	1	Wash.
Plant—unidentified-----					
<i>Diaphania quadrastigmatalis</i> (Guen.) (Pyraustidae):					
Orchid (leaf)-----	Costa Rica-----	-----	-----	1	Fla.
<i>Diaprepes abbreviatus</i> (L.) (Curculionidae):					
Airplane-----	Puerto Rico-----	-----	1	-----	P.R.
Flowers-----	Haiti-----	1	-----	-----	P.R.
<i>Staphylea bolanderi</i> (Sierra bladder-nut)-----	do-----	1	-----	-----	P.R.
<i>Diaprepes abbreviatus</i> (L.) var. (Curculionidae):					
Flowers-----	do-----	1	-----	-----	P.R.
<i>Diaprepes farinosus</i> Gyll. (Curculionidae):					
<i>Zea mays</i> (corn) meal-----	Antigua-----	1	-----	-----	Am. V.I.
<i>Diataraxia oleracea</i> (L.) (Noctuidae):					
Airplane-----	Unknown-----	-----	1	-----	N.Y.
<i>Dichocrocis punctiferalis</i> (Guen.) (Pyraustidae):					
<i>Pinus</i> sp. (5-needle pine) dwarf tree-----	Japan-----	-----	-----	2	Wash.
<i>Dictyla nassata</i> (Puton) (Tingidae):					
Debris-----	Morocco-----	-----	1	-----	Fla.
<i>Dinoderus bifoveolatus</i> (Woll.) (Bostrichidae):					
<i>Phragmites</i> sp. (dunnage)-----	Africa (country(?))-----	-----	1	-----	Md.
Wood (crate)-----	India-----	1	-----	-----	N.Y.
<i>Dinoderus borneanus</i> Lesne(?) (Bostrichidae):					
Palm (matting)-----	American Samoa-----	1	-----	-----	Calif.*
<i>Diocalandra taitensis</i> (Guer.) (Curculionidae):					
Baggage-----	Hawaii-----	1	-----	-----	Hawaii.
<i>Cocos nucifera</i> (coconut)-----	do-----	4	-----	-----	Hawaii.
<i>Diorymerellus laevimargo</i> Champ. (Curculioni- dae):					
Orchid (plant)-----	Guatemala, Mexico-----	-----	-----	5	Tex.
<i>Draeculacephala clypeata</i> Osborn (Cicadellidae):					
Cargo (with bananas)-----	Ecuador-----	1	-----	-----	Fla.
<i>Drymaeus hegewischii</i> (Pfeiffer) (Bulimulidae):					
Bromeliad (plant)-----	Mexico-----	-----	-----	1	Fla.
<i>Dysdercus andreae</i> (L.) (Pyrrhocoridae):					
Airplane-----	Dominican Republic-----	-----	2	-----	Fla.
<i>Dysdercus mimus</i> (Say) (Pyrrhocoridae):					
<i>Saccharum officinarum</i> (sugarcane) bagasse-----	Mexico-----	1	-----	-----	Ill.

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		Consumption	Nonentry	Propagation	
<i>Dysdercus obliquus</i> (H.-S.) (Pyrrhocoridae):					
<i>Ananas comosus</i> (pineapple).....	Mexico.....	1	—	—	Tex.
Railway car (with shrimp).....	do.....	1	—	—	Ariz.
<i>Dyspessa ulula</i> (Bkn.) (Cossidae):					
<i>Allium sativum</i> (garlic).....	Italy, Spain, unknown.	6	—	—	N.Y., P.R.
<i>Ectomyelois ceratoniae</i> (Zell.) (Phycitidae):					
<i>Acacia</i> sp. (seed).....	Brazil.....	—	—	1	N.Y.
<i>Barringtonia</i> sp. (seed pod).....	Hawaii.....	1	—	—	Hawaii.
<i>Cassia javanica</i> (appleblossom senna).....	do.....	1	—	—	Hawaii.
<i>Cassia</i> sp. (seed pod).....	do.....	1	—	—	Hawaii.
<i>Ceratonina siliqua</i> (carob).....	Italy.....	2	—	—	N.Y.
<i>Citrus sinensis</i> (sweet orange).....	Spain, unknown.....	3	6	—	N.Y., Pa.
<i>Cydonia oblonga</i> (quince).....	Greece.....	1	—	—	N.Y.
<i>Eriobotrya japonica</i> (loquat).....	Italy.....	1	—	—	N.Y.
<i>Ficus carica</i> (fig) dried.....	do.....	2	—	—	N.Y.
<i>Gossypium</i> sp. (cotton; boll).....	Hawaii.....	1	—	—	Hawaii.
<i>Juglans</i> sp. (walnut).....	Italy.....	2	—	—	N.Y.
<i>Prunus amygdalus</i> (almond).....	do.....	4	—	—	Mich., N.Y.
<i>Punica granatum</i> (pomegranate).....	Greece, Italy.....	6	—	—	N.Y.
<i>Pyrus communis</i> (pear).....	Italy.....	1	—	—	N.Y.
Seed—unidentified.....	Unknown.....	—	1	—	Fla.
<i>Empoasca kraemeri</i> Ross & Moore (Cicadellidae):					
Airplane.....	Puerto Rico.....	—	1	—	P.R.
<i>Endelomyia aethiops</i> (F.) (Tenthredinidae):					
<i>Rosa</i> sp. (rose) cut flower.....	Denmark.....	1	—	—	N.Y.
<i>Epinotia aporema</i> (Wlsm.) (Olethreutidae):					
<i>Phaseolus vulgaris</i> cv. (string bean).....	Chile, Colombia, Venezuela.	1	4	—	Fla., Md., Tex.
Stores (with cabbage).....	Peru.....	—	1	—	N.C.
<i>Ericeia inangulata</i> (Guen.) (Noctuidae):					
Airplane.....	Japan(?).....	—	1	—	Hawaii.
<i>Eriophyes canestrinii</i> (Nal.) (Eriophyidae):					
<i>Buxus sempervirens</i> (boxwood) leaf.....	England.....	—	3	—	Wash.
<i>Eriopyga fea</i> (Druce) (Noctuidae):					
Orchid (plant).....	Mexico.....	—	—	1	Tex.
<i>Erythrotrips durango</i> Watson (Aeolothripidae):					
<i>Yucca</i> sp. (flower).....	do.....	1	—	—	Tex.
<i>Ethelema sobrina</i> Sharp (Colydiidae):					
<i>Ananas comosus</i> (pineapple).....	do.....	2	—	—	Tex.
<i>Eucalendra setulosa</i> (Gyll.) (Curculionidae):					
Bamboo (pole).....	Ecuador.....	1	—	—	Calif. *
<i>Eucalymnatus tessellatus</i> (Sign.) (Coccidae):					
<i>Gardenia</i> sp.....	Unknown.....	1	—	—	Hawaii.
<i>Euethela humilis</i> (Burm.) (Scarabaeidae):					
Airplane.....	Brazil.....	1	—	—	N.Y.
<i>Euleia heraclei</i> (L.) (Tephritidae):					
<i>Apium graveolens</i> var. <i>dulce</i> (celery).....	France.....	—	1	—	N.Y.
<i>Euleia heraclei</i> (L.) (?) (Tephritidae):					
<i>Apium graveolens</i> var. <i>dulce</i> (celery).....	England, Italy.....	—	2	—	N.Y.
<i>Petroselinum crispum</i> (parsley).....	Belgium.....	—	1	—	N.Y.
<i>Eumaeus debora</i> (Hbn.) (Lycaenidae):					
Cycadaceae (leaf).....	Mexico.....	1	—	—	Tex.
<i>Eupelix cuspidata</i> (Fab.) (Cicadellidae):					
<i>Brassica oleracea</i> var. <i>capitata</i> (cabbage).....	Italy.....	—	1	—	N.Y.
<i>Euphyllura olivina</i> (Costa) (Psyllidae):					
Cutting—unidentified.....	Greece.....	—	—	1	Ill.
<i>Euproctis similis</i> (Fuessly) (Lymantriidae)					
<i>Crataegus</i> sp. (hawthorn).....	Japan.....	—	—	1	Hawaii.
<i>Eurytoma amygdali</i> Enderl. (Eurytomidae):					
<i>Prunus amygdalus</i> (almond).....	Jordan.....	1	—	—	Md.
<i>Eurytoma orchidearum</i> (Westw.) (Eurytomidae):					
<i>Cattleya</i> sp. (orchid).....	Brazil, Colombia.....	—	—	2	Fla.
<i>Vanda</i> sp. (orchid).....	Ceylon.....	—	—	1	N.Y.
<i>Euscepes postfasciatus</i> (Fairm.) (Curculionidae):					
<i>Ipomoea batatas</i> (sweetpotato).....	Brazil, British Guiana, Jamaica, Panama, Puerto Rico, Tortola, Trinidad.	3	5	—	Ala., Am. V.I., Calif., * La., N.Y., Pa.
Mail (with ti cutting).....	Hawaii.....	—	—	1	Hawaii.



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		Consumption	Nonentry	Propagation	
<i>Euxesta eluta</i> Loew (Otitidae): Airplane-----	Puerto Rico, unknown, West Indies (island(?)).	-----	3	-----	Fla., P.R.
<i>Everes comyntas</i> (Godt.) (Lycaenidae): <i>Phaseolus vulgaris</i> cv. (string bean)-----	Mexico-----	1	-----	-----	Tex.
<i>Evergestis forficalis</i> (L.) (Pyraustidae): <i>Brassica oleracea</i> var. <i>botrytis</i> (cauliflower)-----	France-----	-----	1	-----	N.Y.
<i>B. oleracea</i> var. <i>capitata</i> (cabbage)-----	Belgium, France, Netherlands.	-----	4	-----	Ala., La., N.Y., P.R.
<i>Exptochiomera formosa</i> (Dist.) (Lygaeidae): <i>Acacia</i> sp-----	Mexico-----	-----	-----	1	Tex.
<i>Figulus foveicollis</i> Boisd. (Lucaniidae): <i>Samanea saman</i> (raintree saman) log-----	Fiji-----	1	-----	-----	Hawaii.
<i>Forficula aetolica</i> Brunn. (Forficulidae): Straw (packing material)-----	Israel-----	1	-----	-----	N.Y.
<i>Forficula decipiens</i> Gén�� (Forficulidae): <i>Capsicum annuum</i> (pepper) dried-----	Italy-----	1	-----	-----	N.Y.
<i>Forficula pubescens</i> Gén�� (Forficulidae): <i>Pinus</i> sp. (cone)-----	Germany-----	1	-----	-----	Md.
<i>Frankliniella formosae</i> Mlt. (Thripidae): <i>Chrysanthemum morifolium</i> -----	Japan-----	2	2	-----	Hawaii, Wash.
<i>Dianthus caryophyllus</i> (carnation)-----	do-----	1	1	-----	Hawaii.
Flowers-----	do-----	-----	1	-----	Hawaii.
<i>Rosa</i> sp-----	do-----	-----	1	-----	Hawaii
<i>Frankliniella intonsa</i> (Tryb.) (Thripidae): <i>Aster</i> sp. (cut flower)-----	Europe (country(?))-----	-----	1	-----	N.Y.
<i>Calluna vulgaris</i> (heather)-----	Germany-----	3	-----	-----	N.Y., Wash.
<i>Dahlia</i> sp. (cut flower)-----	England-----	1	-----	-----	N.Y.
<i>Dianthus caryophyllus</i> (carnation)-----	England, Europe (country(?)), Germany, Hungry, Italy, Poland.	7	3	-----	N.Y., Wash.
Flowers-----	England, Germany, Sweden.	2	1	-----	N.J., N.Y., Wash.
<i>Fragaria</i> sp. (strawberry) plant-----	Switzerland-----	-----	-----	1	N.Y.
<i>Gladiolus</i> sp. (cut flower)-----	Gerany, Italy, Poland.	2	1	-----	Ill., N.Y.
<i>Rosa</i> sp. (cut flower)-----	Belgium, Czechoslo- vakia, England, Finland, France, Germany, Hungry, Italy, Poland, Switzerland, unknown.	28	2	-----	Ill., Mass., Mich., N.Y.
<i>Frankliniella schultzei</i> (Tryb.) (Thripidae): <i>Chrysanthemum</i> sp. (cut flower)-----	Africa (country(?)), Australia.	-----	3	-----	Hawaii, N.Y.
<i>Rosa</i> sp. (cut flower)-----	Australia-----	-----	1	-----	Hawaii.
<i>Frankliniella sulphurea</i> Schmutz (Thripidae): <i>Capsicum annuum</i> (pepper)-----	Dominican Republic-----	1	-----	-----	P.R.
<i>Zinnia</i> sp. (cut flower)-----	Unknown-----	-----	1	-----	N.Y.
<i>Frankliniella tenuicornis</i> (Uzel) (Thripidae): <i>Gladiolus</i> sp. (cut flower)-----	Israel-----	1	-----	-----	N.Y.
<i>Fulvius anthocorides</i> Stal (Miridae): Orchid (plant)-----	Guatemala-----	-----	-----	1	Fla.
<i>Fundella pellucens</i> (Zell.) (Phycitidae): <i>Cajanus cajan</i> (pigeonpea)-----	Barbados-----	3	-----	-----	N.Y.
<i>Phaseolus vulgaris</i> cv. (string bean)-----	Aruba, Panama-----	1	1	-----	Calif.,* Pa.
<i>Vigna sesquipedalis</i> (yardlong cowpea)-----	Surinam-----	1	-----	-----	N.Y.
<i>V. sinensis</i> (common cowpea)-----	British Guiana-----	1	-----	-----	Fla.
<i>Furcaspis oceanica</i> Ldgr. (Coccidae): <i>Cocos nucifera</i> (coconut)-----	Eniwetok, Kwajalein-----	3	1	-----	Hawaii, Wash.
<i>Galgupha punctifer</i> McA. & Mall. (Pentatomi- dae): Bromeliad-----	Mexico-----	-----	-----	1	Ariz.
<i>Gastrimargus brevipes</i> Sjost. (Acrididae): Cargo (as food for live shrew)-----	Kenya-----	1	-----	-----	N.Y.

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Pest and host	Country of origin	Number of interceptions in—			Collected in—
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<i>Gelechia ericetella</i> (Hbn.) (Gelechiidae): <i>Calluna vulgaris</i> (heather)-----	Denmark, England, Germany, Ireland, Norway, Scotland, Switzerland.	17	-----	-----	N.Y.
<i>Genaparlatoria pseudaspidiotus</i> (Ldgr.) (Coccidae): <i>Vanda</i> sp. (orchid) plant-----	Indonesia-----	-----	-----	1	Hawaii.
<i>Geniates panamensis</i> Arrow (Scarabaeidae): Airplane-----	Panama, unknown-----	-----	3	-----	Fla.
<i>Geocoris thoracicus</i> (F.) (Lygaeidae): Airplane-----	Puerto Rico-----	-----	1	-----	P.R.
<i>Geomyza tripunctata</i> Fall. (Opomyzidae): <i>Lactuca sativa</i> (lettuce)-----	France-----	-----	1	-----	N.Y.
<i>Geotomus pygmaeus</i> (Dallas) (Cydnidae): Soil-----	American Samoa-----	1	-----	-----	Hawaii.
<i>Swietenia mahagoni</i> (mahogany)-----	Japan-----	1	-----	-----	Hawaii.
<i>Giraudiella inclusa</i> (Frauenfeld) (Cecidomyiidae): <i>Phragmites</i> sp. (reed) mat-----	Austria-----	1	-----	-----	Ill.
<i>Gnorimoschema gudmannella</i> (Wlsm.) (Gelechiidae): <i>Capsicum annuum</i> (pepper)-----	Colombia, Guatemala, Mexico.	3	-----	-----	Fla., Tex.
<i>C. annuum</i> var. <i>longum</i> (chili pepper)-----	British Honduras, Mexico.	3	-----	-----	Fla., Tex.
<i>Gnorimoschema ocellatella</i> (Boyd) (Gelechiidae): <i>Beta vulgaris</i> (beet)-----	Italy, United Arab Republic.	-----	3	-----	N.Y., Tex.
Stores (with string bean)-----	Italy-----	-----	1	-----	N.Y.
<i>Gnorimoschema plaesiosema</i> (Turn.) (Gelechiidae): <i>Solanum tuberosum</i> (potato)-----	Chile-----	-----	1	-----	La.
<i>Gortyna flavago</i> (Schiff.) (Noctuidae): <i>Cynara scolymus</i> (artichoke)-----	France-----	-----	2	-----	N.Y.
<i>Gracilaria azaleella</i> Brants (Gracilariidae): <i>Rhododendron</i> sp. (azalea) leaf-----	England, France-----	-----	-----	2	N.J.
<i>Graptostethus manillensis</i> (Stal) (Lygaeidae): <i>Operculina tuberosa</i> (wood-rose)-----	Hawaii-----	1	-----	-----	Hawaii.
<i>Vanda</i> sp. (orchid)-----	do-----	1	-----	-----	Hawaii.
<i>Gryllotalpa africana</i> P. de B. (Gryllotalpidae): Cargo (aircraft parts)-----	Japan-----	1	-----	-----	Hawaii.
<i>Gryllus bimaculatus</i> De Geer (Gryllidae): Airplane-----	Morocco-----	-----	7	-----	Fla., Ga.
Baggage-----	do-----	1	-----	-----	Ga.
<i>Haplothrips aculeatus</i> (F.) (Phlaeothripidae): Nursery stock-----	Netherlands-----	-----	-----	3	N.J.
<i>Ornithogalum</i> sp. (star-of-Bethlehem)-----	Germany-----	1	-----	-----	N.Y.
<i>Triticum aestivum</i> (wheat) straw-----	Poland-----	1	-----	-----	N.Y.
<i>Haplothrips clarisetis</i> Priesner(?) (Phlaeothripidae): <i>Mesembryanthemum</i> sp-----	Mexico-----	-----	-----	2	Calif.
<i>Petroselinum crispum</i> (parsley)-----	do-----	1	-----	-----	Calif.
<i>Haplothrips cotei</i> (Vuillet) (Phlaeothripidae): <i>Dianthus caryophyllus</i> (carnation)-----	Cyprus-----	1	-----	-----	N.Y.
<i>Haplothrips gowdeyi</i> (Frankl.) (Phlaeothripidae): <i>Antirrhinum majus</i> (snapdragon)-----	Haiti-----	2	-----	-----	P.R.
<i>Celosia argentea</i> var. <i>cristata</i> (common feather cockscomb) seed head.	Jamaica-----	-----	-----	1	N.Y.
<i>Chrysanthemum</i> sp. (cut flower)-----	Australia-----	-----	2	-----	Hawaii.
<i>Dahlia</i> sp-----	do-----	-----	1	-----	Hawaii.
<i>Dianthus caryophyllus</i> (carnation)-----	Japan-----	1	-----	-----	Hawaii.
Flowers-----	Haiti-----	11	-----	-----	P.R.
Herb-----	Puerto Rico-----	1	-----	-----	P.R.
<i>Protea</i> sp-----	Republic of South Africa.	1	-----	-----	N.Y.
<i>Haplothrips tritici</i> (Kurdj.) (Phlaeothripidae): <i>Triticum aestivum</i> (wheat) stem-----	Union of Soviet Socialist Republics.	1	-----	-----	N.Y.
<i>Helicella arigonis</i> (Rossmassler) (Helicellidae): Stores-----	Spain-----	-----	1	-----	S.C.



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<i>Helicella candidula</i> (Studer) (Helicellidae): <i>Brassica oleracea</i> var. <i>botrytis</i> (cauliflower)-----	Netherlands-----		1		La.
<i>Mirabilis jalapa</i> 'Marvel-of-Peru' (four-o'clock) seed.	do-----			1	Pa.
<i>Mirabilis</i> sp. (seed)-----	Denmark-----			1	Pa.
<i>Helicella caperata</i> (Montagu) (Helicellidae): Military cargo (conex box)-----	England, France-----	4			La.
<i>Quercus suber</i> (cork oak)-----	Spain-----	1			Ill.
<i>Helicella conspurcata</i> (Draparnaud) (Helicellidae): Military cargo-----	Morocco, Spain-----	2			N.Y., Va.
<i>Helicella cretica</i> (Fer.) (Helicellidae): Military cargo-----	Crete, Greece, Turkey-----	5			Del., N.Y.
<i>Helicella derbentina</i> (Andrz.) (Helicellidae): Military cargo-----	Turkey-----	4			Del., La., N.Y.
<i>Helicella elegans</i> (Gmelin) (Helicellidae): <i>Mirabilis jalapa</i> 'Marvel-of-Peru' (four-o'clock) seed.	Netherlands-----			1	Pa.
<i>Helicella itala</i> (L.) (Helicellidae): Military cargo (conex box)-----	Unknown-----	1			La.
<i>Helicella littoralis</i> (Mousson)(?) (Helicellidae): Military cargo-----	Greece-----	1			N.Y.
<i>Helicella maritima</i> (Draparnaud) (Helicellidae): Airplane-----	Spain-----		1		Fla.
Herb-----	Greece-----	1			N.J.
Military cargo-----	France, Greece, Morocco, Spain.	11			Del., La., Mass., N.Y., S.C., Va.
<i>Helicella protea</i> (Ziegler) (Helicellidae): Military cargo-----	Turkey, unknown-----	7			Del., N.Y., S.C., Va.
<i>Helicella pyramidata</i> (Draparnaud) (Helicellidae): Military cargo-----	Germany, Italy, Libya.	4			La., S.C., Va.
Residue (in cargo hold)-----	Unknown-----		1		Mich.
Soil with <i>Begonia</i> sp.-----	Italy-----			1	Mass.
<i>Helicella trochoides</i> (Poirot) (Helicellidae): <i>Mirabilis jalapa</i> 'Marvel-of-Peru' (four o'clock) seed.	Netherlands-----			1	Pa.
<i>Helicella variabilis</i> (Draparnaud) (Helicellidae): Automobile-----	France-----	1			La.
<i>Brassica oleracea</i> var. <i>capitata</i> (cabbage)-----	do-----		1		N.Y.
<i>Cichorium intybus</i> (chicory)-----	do-----		1		N.Y.
<i>Lactuca sativa</i> (lettuce)-----	Italy-----		1		N.Y.
Military cargo-----	France, Greece, Spain, Turkey.	6			La., N.Y., Va.
<i>Muscari comosum</i> (tassel grapehyacinth)-----	Italy-----		1		N.Y.
<i>Quercus suber</i> (cork oak)-----	Spain-----	1			Ill.
<i>Helicella virgata</i> (DaCosta) (Helicellidae): <i>Allium porrum</i> (leek)-----	do-----		1		Pa.
Stores-----	do-----		1		S.C.
<i>Helicina convexa</i> Pfeiffer (Helicinidae): Military cargo-----	Bermuda-----	1			S.C.
<i>Helicina neritella</i> Lamarek (Helicinidae): Orchid (plant)-----	Jamaica-----			1	Fla.
<i>Helix aperta</i> Born (Helicidae): Baggage-----	Italy-----	2			N.Y.
Military cargo-----	Azores, Italy-----	3			N.Y.
Stores-----	Italy-----		1		Va.
<i>Helix aspersa</i> Müller (Helicidae): <i>Brassica oleracea</i> var. <i>botrytis</i> (cauliflower)-----	France-----		1		N.Y.
Cargo (with crate of marble)-----	Portugal-----	1			Calif.*
<i>Lactuca sativa</i> (lettuce)-----	France-----		1		N.Y.
Mail-----	Haiti-----	1			Fla.
Military cargo-----	Australia, Azores, Crete, France, unknown.	15			La., N.Y., Pa., Va.
<i>Mirabilis jalapa</i> 'Marvel-of-Peru' (four o'clock) seed.	Netherlands-----			1	Pa.
Orchid (plant)-----	Mexico-----			1	Tex.
Stores-----	Spain-----		1		S.C.

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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Helix figulina</i> (Parreyss) (Helicidae): Military cargo	Turkey	1			Del.
<i>Helix pomatia</i> L. (Helicidae): Baggage	Germany	1			Va.
<i>Hellula undalis</i> (F.) (Pyraustidae): <i>Brassica rapa</i> (turnip)	France, Senegal		2		Mass., Pa.
<i>Heterobostrychus aequalis</i> (Waterh.) (Bostrichidae): Wood (crate)	India, Pakistan, Philippines, Thailand, Vietnam.	5			Md., Mass., N.Y., Tex.
<i>Heterobostrychus brunneus</i> (Murray) (Bostrichidae): Wood (packing board)	Republic of the Congo, West Africa.	2			Md.
<i>Heterotermes convexinotatus</i> (Snyder) (Rhino-termitidae): Cargo (with carton of shirts) Wood (crate)	Jamaica Colombia	1 1			Fla. Fla.
<i>Holochlora japonica</i> Brunn. (Tettigoniidae): <i>Pittosporum</i> sp.	Japan		1		Hawaii.
<i>Homarocoryphus nitidulus</i> (Scopoli) (Tettigoniidae): Cargo (with live chamelion)	Kenya	1			N.Y.
<i>Homoeogryllus japonicus</i> (Haan) (Gryllidae): Soil	Hong Kong	1			Hawaii.
<i>Hydroecia xanthenes</i> (Germ.) (Noctuidae): <i>Cynara scolymus</i> (artichoke)	Algeria		1		N.Y.
<i>Hylesia euphemia</i> Dyar (Saturniidae): <i>Solanum melongena</i> (eggplant)	Mexico	1			Ariz.
<i>Hylobius abietis</i> (L.) (Curculionidae): Conifer (packing board)	Italy	1			Md.
<i>Hymenia perspectalis</i> (Hbn.) (Pyraustidae): Airplane	Unknown		1		Fla.
<i>Hypomeces squamosus</i> F. (Curculionidae): Airplane	Japan		1		Hawaii.
<i>Incisitermes repandus</i> (Hill) (Kalotermitidae): <i>Samanea saman</i> (raintree saman) log	Fiji	1			Hawaii.
<i>Ips calligraphus</i> (Germ.) (Scolytidae): <i>Pinus</i> sp. (bark on log)	Bahamas	1			Fla.
<i>Iridomyrmex iniquus</i> Mayr (Formicidae): Bromeliad (plant) Orchid (plant)	Guatemala Guatemala, Mexico			1 6	Fla. Fla., N.Y., Tex.
<i>Jadera pyrrholoma</i> Stal (Coreidae): <i>Rosa</i> sp. (rose) cut	Haiti	1			N.Y.
<i>Kaloterms flavicollis</i> (Fabr.) (Kalotermitidae): Straw (liquor jacket)	Spain	1			N.Y.
<i>Labia arcuata</i> Scudd. (Labiidae): <i>Chamaedorea oblongata</i> (palm) leaf	Mexico	1			Tex.
<i>Lamellaris micra</i> (Orbigny) (Achatinidae): Orchid (plant)	Honduras			1	Fla.
<i>Lampides boeticus</i> (L.) (Lycaenidae): <i>Canavalia microcarpa</i> (mauna loa) lei	Hawaii	3			Calif.,* Hawaii.
<i>Phaseolus vulgaris</i> cv. (string bean)	Italy	1			N.Y.
<i>Pisum</i> sp. (pea) pod	Japan		1		Hawaii.
<i>Sesbania</i> sp.	Hawaii	1			Hawaii.
<i>Laspeyresia nigricana</i> (Steph.) (Olethreutidae): <i>Pisum sativum</i> (garden pea)	Spain		1		Ala.
<i>Laspeyresia splendana</i> (Hbn.) (Olethreutidae): Baggage (with apple) <i>Castanea sativa</i> (European chestnut)	Portugal Austria, Azores, France, Greece, Italy, Portugal, Spain, unknown.	1 90			N.Y. Ill., Mass., Mich., N.Y., P.R.
<i>Quercus suber</i> (cork oak) seed	Italy			1	N.J.
<i>Quercus</i> sp. (acorn)	Switzerland	1			Fla.
<i>Lema bilineata</i> Germ. (Chrysomelidae): Excelsior (packing with melons)	Chile	1			N.Y.
<i>Lepidosaphes conchiformis</i> (Gmel.) (Coccidae): <i>Diospyros kaki</i> (kaki persimmon)	Japan	1			Hawaii.



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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Lepidosaphes esakii</i> Tak. (Coccidae): <i>Cocos nucifera</i> (coconut).....	Kwajalein.....	1			Hawaii.
<i>Lepidosaphes philococcus</i> (Ckll.) (Coccidae): Cactus (plant).....	Mexico.....			1	Tex.
<i>Lepidosaphes pini</i> (Mask.) (Coccidae): <i>Pinus</i> sp. (plant).....	Japan.....			1	Hawaii.
<i>Lepidosaphes tokionis</i> (Kuw.) (Coccidae): <i>Codiaeum</i> sp. (croton).....	Hawaii.....	3		4	Calif.,* Hawaii.
<i>Lepidosaphes tuberculata</i> Mal. (Coccidae): Orchid (pseudobulb).....	Australia.....			1	Wash.
<i>Lepidosaphes tubulorum</i> Ferris (Coccidae): <i>Malus sylvestris</i> (apple).....	Netherlands(?).....	1			Calif.*
<i>Leucinodes orbonalis</i> Guen. (Pyraustidae): <i>Solanum melongena</i> (eggplant).....	Federation of Malaysia(?), Ghana, Senegal.	1	2		Hawaii, Mass., N.Y.
<i>Ligyrocoris nitidicollis</i> (Stal) (Lygaeidae): <i>Ananas comosus</i> (pineapple).....	Mexico.....	1			Tex.
<i>Limax marginatus</i> Müller (Limacidae): Bromeliad (plant).....	Costa Rica, Guatemala, Jamaica.			3	Fla.
<i>Cordyline terminalis</i> (ti).....	Hawaii.....	1			Hawaii.
<i>Lactuca sativa</i> (lettuce).....	Italy.....		1		N.Y.
Orchid (plant).....	Colombia.....			1	Fla.
<i>Limothrips denticornis</i> (Hal.) (Thripidae): <i>Lactuca sativa</i> (lettuce).....	Europe (country?).....		1		N.Y.
<i>Liocoris tripustulatus</i> (F.) (Miridae): Rosaceae (leaf).....	France.....		1		Ill.
<i>Liodontomerus papaveris</i> (Foerster) (Torymidae): <i>Salvia</i> sp. (sage) seed pod.....	Greece.....	1			N.Y.
<i>Liogenys macropelma</i> Bates (Scarabaeidae): Airplane.....	Panama, unknown.....		12		Fla., N.Y.
<i>Liogenys quadridens</i> (Fab.) (Scarabaeidae): Airplane.....	Panama.....		1		Fla.
<i>Lobesia botrana</i> (Schiff.) (Olethreutidae): <i>Vitis</i> sp. (grape).....	Italy.....	1			N.Y.
<i>Lorostege bifidalis</i> (F.) (Pyraustidae): <i>Portulaca oleracea</i> (purslane).....	Mexico.....	1			Tex.
<i>Lyctus africanus</i> Lesne (Lyctidae): Cargo (with household van).....	Hong Kong.....	1			Md.
<i>Glycyrrhiza glabra</i> (licorice) root.....	Greece.....	1			Md.
<i>Swietenia mahagoni</i> (mahogany) dowell.....	Unknown.....	1			La.
<i>Lyctus brunneus</i> (Steph.) (Lyctidae): Wood.....	Australia, Nigeria.....	2			Md., N.Y.
<i>Lygaeus equestris</i> (L.) (Lygaeidae): Airplane.....	Morocco.....		1		Fla.
<i>Lygaeus pandurus</i> (Scop.) (Lygaeidae): Airplane.....	do.....		1		Fla.
<i>Lygaeus pulchellus</i> F. (Lygaeidae): <i>Ananas comosus</i> (pineapple).....	Mexico.....	1			Tex.
Bromeliad.....	do.....			1	Tex.
Orchid (plant).....	Honduras.....			1	Fla.
<i>Lygus lineolaris</i> (Palis.) (Miridae): Plant material (Christmas greenery).....	Mexico.....	1			Tex.
<i>Lygus rugulipennis</i> Poppius (Miridae): <i>Arabis</i> sp. (rockcress).....	England.....			1	N.Y.
<i>Macroglossum stellatarum</i> (L.) (Sphingidae): Military cargo (conex box).....	Spain.....	1			Mass.
<i>Macrosiphum ibarae</i> Mats. (?) (Aphidae): <i>Rosa</i> sp. (rose) cut.....	Unknown.....		1		Hawaii.
<i>Mamestra brassicae</i> (L.) (Noctuidae): <i>Beta vulgaris</i> var. <i>cicla</i> (Swiss chard).....	Italy.....		1		N.Y.
<i>Brassica oleracea</i> var. <i>acephala</i> (kale).....	Denmark.....	1			N.Y.
<i>B. oleracea</i> var. <i>botrytis</i> (cauliflower).....	Denmark, France, Italy, Netherlands.		5		N.Y., Ohio.
<i>B. oleracea</i> var. <i>capitata</i> (cabbage).....	Belgium, France, Italy, Netherlands.		14		Ala., La., N.Y.
<i>Lactuca sativa</i> (lettuce).....	France, Spain.....		2		N.Y., P.R.
Quarters (with gladiolus flower).....	Italy.....		1		N.Y.
<i>Marasmia poegalis</i> Bdv. (Pyraustidae): Airplane.....	Unknown.....		1		Hawaii.

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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Maruca testulalis</i> (Geyer) (Pyraustidae):					
Baggage (with coriander seed).....	Dominican Republic.....	1			Fla.
<i>Cajanus cajan</i> (pigeonpea).....	Dominican Republic, Panama, Puerto Rico.	6			N.Y., P.R., Tex.
<i>Canavalia microcarpa</i> (mauna loa) lei.....	Hawaii.....	4			Calif.,* Hawaii.
<i>Phaseolus lunatus</i> (lima bean).....	Puerto Rico.....	1			P.R.
<i>P. vulgaris</i> cv. (string bean).....	Japan, Puerto Rico, Senegal, Surinam.	4	5		Fla., La., N.Y., Tex. Wash.
<i>Sesbania</i> sp.....	Hawaii.....	1			Hawaii.
<i>Matsumuraeses phaseoli</i> (Mats.) (Olethreutidae):					
<i>Phaseolus vulgaris</i> cv. (string bean).....	Japan.....		4		Calif.,* Hawaii, Tex., Wash.
<i>Megalogyllus molinai</i> Chop. (Gryllidae):					
Cargo (in water with tropical fish).....	Colombia.....	1			Fla.
<i>Megaris laevicollis</i> Stal (Pentatomidae):					
Plant material (packing for snakes).....	Brazil.....	1			N.Y.
<i>Megastigmus pistaciae</i> Wlk. (Torymidae):					
<i>Pistacia</i> sp. (pistache) nut.....	Italy.....	2			N.Y.
<i>Melanaspis squamae</i> Ferris (Coccidae):					
<i>Ceratozamia</i> sp. (cycad) stem.....	Mexico.....			1	Calif.*
<i>Melolontha melolontha</i> (L.) (Scarabaeidae):					
Quarters (of airplane).....	Switzerland.....		1		Ill.
<i>Melormenis antillarum</i> (Kirk.) (Flatidae):					
Plant material (leaves for tea).....	Tortola.....	1			Am. V.I.
<i>Meridyrias progenies</i> (Guen.) (Noctuidae):					
Airplane.....	Dominican Republic.....		1		Fla.
<i>Merodon equestris</i> (F.) (Syrphidae):					
<i>Narcissus viridiflorus</i> (green autumn jonquil) bulb.	England.....			1	N.J.
<i>Narcissus</i> sp. (bulb).....	England, Netherlands.....			3	N.J.
<i>Tulipa</i> sp. (tulip) bulb.....	Netherlands.....			1	N.J.
<i>Mescinia peruella</i> Schaus (Phycitidae):					
<i>Gossypium</i> sp. (cottonseed).....	Peru.....	1			Fla.
<i>Metamasius hemipterus hemipterus</i> (L.) (Curculionidae):					
Bromeliad.....	Guatemala.....			1	Tex.
<i>Musa X paradisiaca</i> (plantain) leaf.....	Puerto Rico.....	1			P.R.
<i>Musa</i> sp. (baby banana).....	do.....	1			P.R.
<i>Metamasius hemipterus sericeus</i> (01.) (Curculionidae):					
<i>Ananas comosus</i> (pineapple).....	Equador.....	1			Fla.
Cargo (in hold of ship).....	do.....		3		Fla.
<i>Musa X paradisiaca</i> (banana).....	Costa Rica, Ecuador, Guatemala, Honduras.	36			Ala., Fla., La., N.Y., Tex.
<i>Miccotrogus picrostris</i> (F.) (Curculionidae):					
Plants—unidentified.....	Canada.....			2	Wash.
<i>Micrapate labialis</i> Lesne (Bostrichidae):					
<i>Salix</i> sp. (willow) crate.....	Mexico.....	1			Ariz.
Wood.....	do.....	1			Calif.
<i>Micrapate mexicana</i> Fisher(?) (Bostrichidae):					
Wood (stem).....	do.....	1			Tex.
<i>Milax gagates</i> (Draparnaud) (Limacidae):					
<i>Brassica oleracea</i> var. <i>capitata</i> (cabbage).....	Italy, Netherlands.....		2		N.Y.
<i>Lactuca sativa</i> (lettuce).....	England, France.....		2		N.Y.
Orchid (plant).....	Colombia.....			1	Fla.
<i>Mimegralla coeruleifrons</i> (Macq.) (Micropezidae)					
<i>Zingiber officinale</i> (ginger) root.....	Philippines.....	1			Hawaii.
<i>Mimosestes dominicanus</i> (Jek.) (Bruchidae):					
Seed—unidentified.....	Dominican Republic.....	1			Fla.
<i>Minthea rugicollis</i> (Wlk.) (Lyctidae):					
Plant material (unidentified).....	Hong Kong(?), Macao.....	2			Hawaii.
<i>Phragmites</i> sp. (reed) dunnage.....	Africa (country(?)).....		1		Md.
Wood (packing boards).....	Republic of the Congo, unknown.	2			Md.
<i>Minthea squamigera</i> Pascoe (Lyctidae):					
<i>Cedrus</i> sp. (cedar) bark.....	Colombia.....	1			N.Y.



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<i>Miogryllus convolutus</i> (Joh.) (Gryllidae):					
<i>Cucumis melo</i> var. <i>cantalupensis</i> (cantaloupe)	El Salvador	1			Fla.
<i>Mniothripa lichenigera</i> (Hampson) (Noctuidae):					
Airplane	Philippines		1		Hawaii.
<i>Modocogryllus conspersus</i> (Schaum) (Gryllidae):					
Baggage (in suitcase)	Hawaii	1			Hawaii.
<i>Monacha cantiana</i> (Montagu) (Helicellidae):					
Military cargo (conex box)	France	1			La.
<i>Monacha carthusiana</i> (Müller) (Helicellidae):					
Military cargo (conex box)	do	1			La.
<i>Monacha olivieri</i> (Fer.) (Helicellidae):					
Military cargo (conex box)	Greece, Turkey	3			N.Y.
Soil with plants	Greece			1	N.Y.
<i>Monosteira unicostata</i> Muls. & Rey (Tingidae):					
<i>Prunus amygdalus</i> (almond)	Greece	1			N.Y.
<i>Morganella longispina</i> (Morg.) (Coccidae):					
<i>Citrus aurantifolia</i> (lime)	Tahiti		2		Calif.,*
<i>C. paradisi</i> (grapefruit)	do	1	7		Hawaii. Calif.,* Hawaii.
<i>Mormidea v-luteum</i> (Licht.) (Pentatomidae):					
Plant material (packing for snakes)	Brazil	1			N.Y.
<i>Morphacris fasciata</i> (Thunb.) (Acrididae):					
Cargo (as food for live shrew)	Kenya	1			N.Y.
<i>Mumetopia nigrimana</i> Coq. (Anthomyzidae):					
Airplane	Nicaragua		1		P.R.
<i>Myoclaindra elongata</i> (Roel.) (Curculionidae):					
Bamboo (cane with roses)	Japan	1			Hawaii.
<i>Myrmecophila americana</i> Sauss. (Gryllidae):					
Orchid (plant)	Guatemala			1	Fla.
<i>Myzus ascalonicus</i> Donc. (?) (Aphidae):					
Soil with <i>Begonia</i> sp. (plant)	France			1	N.J.
<i>Nasutitermes chaquimayensis</i> (Holmgr.) (Termitidae):					
<i>Bletia</i> sp. (orchid) bulb	Peru			1	Fla.
<i>Nasutitermes corniger</i> (Motsch.) (Termitidae):					
<i>Dalbergia</i> sp. (rosewood) log	Brazil	1			Mass.
<i>Schomburgkia</i> sp. (orchid) plant	British Honduras			1	Fla.
Wood (crate)	Venezuela		1		N.Y.
<i>Nasutitermes ephratae</i> (Holmgr.) (Termitidae):					
<i>Epidendrum</i> sp. (orchid) plant	Panama			1	Fla.
Orchid (plant)	British Honduras			1	Fla.
<i>Nasutitermes nigriceps</i> (Hald.) (Termitidae):					
Orchid (plant)	do			1	Fla.
<i>Nasutitermes rippertii</i> (Rambur) (Termitidae):					
Military cargo	Cuba	1			N.C.
Orchid (plant)	Bahamas			1	Fla.
<i>Naupactus xanthographus</i> (Germ.) (Curculionidae):					
<i>Cucumis melo</i> (melon)	Chile	2			N.Y.
<i>C. melo</i> 'Honeydew'	do	1			N.Y.
<i>Neoleucinodes elegantalis</i> (Guen.) (Pyraustidae):					
<i>Lycopersicon esculentum</i> (tomato)	Mexico	7			Tex.
<i>Nephotettix apicalis</i> (Motsch.) (Cicadellidae):					
Cargo	India	2			N.Y., Pa.
Stores	Unknown		1		Wash.
<i>Neuroterus tricolor</i> (Hartig) (Cynipidae):					
<i>Quercus</i> sp. (oak) leaf	Germany		1		Ill.
<i>Nysius coenosulus</i> Stal (Lygaeidae):					
Baggage	Hawaii	1			Hawaii.
<i>Oligonychus perditus</i> P. & B. (Tetranychidae):					
<i>Juniperus</i> sp. (juniper) dwarf plant	Japan			1	Hawaii.
<i>Opeas pumilum</i> (Pfeiffer) (Achatinidae):					
<i>Piper</i> sp. (black pepper)	Unknown		1		N.C.
<i>Opeas pyrgula</i> Schmacker & Boettger (Achatinidae):					
<i>Platyserium</i> sp. (staghorn fern)	Philippines			1	Calif.*
<i>Opogona sacchari</i> (Bojer) (Tineidae):					
<i>Cymbopogon citratus</i> (lemon-grass)	Portugal	1			N.Y.
<i>Gladiolus</i> sp. (corm)	Italy			3	N.Y.
<i>Saccharum officinarum</i> (sugarcane)	Portugal	1			N.Y.
Soil with <i>Begonia</i> sp. (plant)	Yugoslavia			1	N.Y.

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		Consumption	Nonentry	Propagation	
<i>Orchidophilus aterrimus</i> (Waterh.) (Curculionidae):					
Baggage	Hawaii	1			Hawaii.
Cargo	do	1			Hawaii.
<i>Dendrobium</i> sp. (orchid)	do	1			Hawaii.
<i>Epidendrum</i> sp. (orchid)	do	1			Hawaii.
Flowers	do	6			Hawaii.
<i>Holmskioldia sanguinea</i> ("Chinese-hat plant")	do	1			Hawaii.
<i>Lilium</i> sp. (lily) bulb	do			1	Hawaii.
Orchid (cut flower)	do	4			Hawaii.
<i>Vanda</i> 'Miss Joachim' (orchid) cut flower	do	33			Hawaii.
<i>Vanda</i> sp. (cut flower)	do	8			Hawaii.
<i>Ostrinia nubilalis</i> (Hbn.) (Pyraustidae):					
<i>Arctium lappa</i> (burdock) stem	Japan		4		Calif.,* Hawaii.
<i>Capsicum annuum</i> var. <i>grossum</i> (bell pepper)	Italy, Japan, Sweden	1	8		Fla., Hawaii, Md., N.Y., Pa.
<i>Malus sylvestris</i> (apple)	Italy	1			N.Y.
<i>Oryza sativa</i> (rice)	Japan	1			Hawaii.
<i>Prunus persica</i> (peach)	Unknown		1		Fla.
<i>Zea mays</i> (corn) fresh corn and seed	Italy, Thailand		1	2	Hawaii, Ill.
<i>Otala lactea</i> (Müller) (Helicidae):					
<i>Brassica oleracea</i> var. <i>capitata</i> (cabbage)	Italy		1		N.Y.
Cargo (with cardboard carton)	Yugoslavia	1			Md.
<i>Otala vermiculata</i> (Müller) (Helicidae):					
Baggage	Italy	1			N.Y.
<i>Brassica oleracea</i> var. <i>capitata</i> (cabbage)	do		1		N.Y.
<i>Lilium</i> sp. (lily) cut flower	Bermuda	1			N.Y.
Military cargo	Crete, Greece, Turkey, unknown.	6			N.Y.
<i>Otosema odorata</i> (L.) (Noctuidae):					
Baggage	Mexico	1			Fla.
<i>Ovatus crataegarius</i> (Wlk.) (Aphidae):					
<i>Mentha pulegium</i> (pennyroyal mint) leaf	Australia			1	D.C.
<i>M. spicata</i> (spearmint)	Portugal	1			N.Y.
<i>Mentha</i> sp.	Italy, Mexico	3		2	Calif., Ill., Mass., Tex.
<i>Oxyambulyx substrigilis</i> (Westw.) (Sphingidae):					
Airplane	Philippines		1		Hawaii.
<i>Oxycarenus hyalinipennis</i> (Costa) (Lygaeidae):					
<i>Gossypium</i> sp. (cottonseed)	Pakistan	1			N.J.
<i>Punica granatum</i> (pomegranate)	Greece, Israel	2			N.Y.
<i>Orychilus alliarius</i> (Müller) (Zonitidae):					
Bamboo	Hawaii	1			Calif.*
<i>Cibotium</i> sp. (fern) log	do			1	Calif.*
Soil	Ireland	1			Mass.
<i>Oxycopsis vittata</i> (Fab.) (Oedemeridae):					
Airplane	Unknown		1		P.R.
<i>Oxydema fusiforme</i> Woll. (Curculionidae):					
<i>Leucaena leucocephala</i> (white popinac lead-tree).	Hawaii	1			Hawaii.
<i>Sterculia</i> sp. (stem)	do	1			Hawaii.
<i>Oxydema longulum</i> (Boh.) (Curculionidae):					
<i>Vanda densiflora</i> (orchid) plant	Thailand			1	Hawaii.
<i>Pachybrachius albocinctus</i> Barber (Lygaeidae):					
<i>Agave sisalana</i> (sisal agave) baled	West Africa	1			La.
<i>Palaeopus costicollis</i> Mshl. (Curculionidae):					
<i>Dioscorea</i> sp. (yam)	Jamaica	2			Fla., N.Y.
<i>Pallantia macula</i> Dallas (Pentatomidae):					
Bromeliad	Brazil			1	Fla.
<i>Paracosmia tolteca</i> (Scudd.) (Forficulidae):					
Bromeliad	Mexico			1	Ariz.
Orchid	do			1	Tex.
<i>Parastichtis monoglypha</i> (Hufn.) (Noctuidae):					
Baggage	Unknown	1			N.Y.
<i>Parisoschoenus expositus</i> (Champ.) (Curculionidae):					
<i>Chamaedorea</i> sp. (palm) stem	Mexico	1			Tex.
<i>Parisoschoenus flavolimbatus</i> Champ. (Curculionidae):					
<i>Chamaedorea oblongata</i> (palm) stem	do	1			Tex.



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<i>Parlatoria cinerea</i> Hadden (Coccidae):					
<i>Citrus aurantifolia</i> (lime)-----	Mexico-----		1		Calif.*
<i>C. grandis</i> (pummelo)-----	Tahiti-----		1		Hawaii.
<i>C. limon</i> (lemon)-----	Unknown-----		1		Wash.
<i>C. paradisi</i> (grapefruit)-----	Israel, Tahiti-----		3		Calif.*
<i>C. reticulata</i> (Mandarin orange)-----	Brazil, Mexico-----	1	1		Calif.*
<i>C. sinensis</i> (sweet orange)-----	Brazil, Israel, Mexico, Tahiti, unknown.	2	16		Calif.,* Wash.
<i>Parlatoria citri</i> McKenzie (Coccidae):					
<i>Citrus aurantium</i> (sour orange)-----	Vietnam-----	1			Hawaii.
<i>C. reticulata</i> (Mandarin orange)-----	Philippines-----	1			Hawaii.
<i>C. sinensis</i> (sweet orange)-----	Thailand-----	1			Hawaii.
<i>Parlatoria zizyphus</i> (Lucas) (Coccidae):					
<i>Citrus aurantium</i> (sour orange)-----	Vietnam-----	1			Hawaii.
<i>C. limon</i> (lemon)-----	Malta, unknown-----	1	1		Calif.*
<i>C. mitis</i> (calamondin orange)-----	Hong Kong, Philippines.	1	1		Hawaii.
<i>C. paradisi</i> (grapefruit)-----	Italy-----		1		N.Y.
<i>C. paradisi</i> × <i>C. reticulata</i> (tangelo)-----	Philippines-----		1		Hawaii.
<i>C. reticulata</i> (Mandarin orange)-----	Algeria, China, Formosa, Haiti, Hong Kong, Italy, Japan, Morocco, Okinawa, Philippines, unknown.	13	12		Calif.,* Hawaii, N.Y.
<i>C. sinensis</i> (sweet orange)-----	Greece, Hong Kong, India, Italy, Japan, Morocco, Okinawa, Spain, unknown, Vietnam.	10	11		Calif.,* Hawaii, N.Y., Wash.
<i>Citrus</i> sp-----	Hong Kong, Wake Island(?).	1	1		Calif.,* Hawaii.
<i>Fortunella japonica</i> (kumquat)-----	Japan-----	1			Hawaii.
<i>Parnara guttata</i> (Bremer) (Hesperiidae):					
Airplane-----	do-----		1		Hawaii.
<i>Parthenothrips dracaenae</i> (Heeger) (Thripidae):					
<i>Nothopanax</i> sp. (false panax)-----	Norway-----		1		N.Y.
<i>Pealius azaleae</i> (B. & M.) (Aleyrodidae):					
<i>Rhododendron</i> sp. (azalea) leaf-----	England-----			1	N.Y.
<i>Pectinophora gossypiella</i> Saund. (Gelechiidae):					
<i>Gossypium tomentosum</i> (Hawaiian cotton) seed.	Hawaii-----			1	D.C.
<i>Gossypium</i> sp. (cotton; boll)-----	Grenada, Hawaii, Jamaica.	4			Bermuda, Hawaii, N.Y., P.R.
<i>Gossypium</i> sp. (cotton; lint)-----	Jamaica-----	1			Fla.
<i>Gossypium</i> sp. (cottonseed)-----	Dominican Republic, Haiti, Mexico, Pakistan, unknown, Venezuela.	18			Fla., Ga., La. N.J., N.Y., Tex.
<i>Gossypium</i> sp. (seed cotton)-----	Brazil, Mexico-----	2			Fla., Tex.
<i>Hibiscus esculentus</i> (okra)-----	Barbados, Brazil, Dominican Republic, Grenada, Liberia.	29	1		Fla., N.Y., Pa., P.R.
<i>Pectinophora malvella</i> (Hbn.) (Gelechiidae):					
<i>Althaea rosea</i> (hollyhock) seed-----	England-----			1	D.C.
<i>Pentalonia nigronervosa</i> Coq. (Aphidae):					
<i>Aechmea bracteata</i> -----	Hawaii-----	1			Hawaii.
Airplane-----	West Pacific-----		1		Hawaii.
<i>Alpinia purpurata</i> -----	American Samoa, Guam, Hawaii.	9	1		Hawaii.
Aquatic plant-----	Peru-----			1	Fla.
<i>Hedychium coccineum</i> (scarlet gingerlily)-----	Guatemala-----			1	Tex.
<i>Zingiber officinale</i> (ginger)-----	Hawaii-----	1			Calif.*
<i>Pentamerismus oregonensis</i> McG. (Tenuipalpidae):					
Bamboo-----	Japan-----	1			Hawaii.
<i>Citrus</i> sp. (tree)-----	do-----			1	Hawaii.
<i>Juniperus</i> sp. (leaf of plant)-----	do-----			1	Wash.
<i>Pentodon punctatus</i> (Villers) (Scarabaeidae):					
<i>Ailanthus altissima</i> (tree-of-heaven) seed-----	Italy-----			1	N.J.

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<i>Periphyllus aceris</i> (Koch) (Aphidae):					
<i>Acer pseudoplatanus</i> (European sycamore maple) leaf.	France		1		Mass.
<i>Perkinsiella saccharicida</i> Kirk. (Delphacidae):					
<i>Vanda</i> 'Miss Joachim' (orchid) flower	Hawaii	1			Hawaii.
<i>Pexicopia malvella</i> (Hbn.) (Gelechiidae):					
<i>Althaea rosea</i> (hollyhock) seed pod	Poland			1	N.Y.
<i>Phaeocatantops decoratus</i> (Gerst.) (Acrididae):					
Food (for bird)	Mozambique	1			N.Y.
<i>Phalonia zephyrana</i> (Treit.) (Phaloniidae):					
<i>Daucus carota</i> var. <i>sativa</i> (carrot)	Italy		2		Pa.
<i>Pheidole megacephala</i> (F.) (Formicidae):					
<i>Alpinia purpurata</i>	Hawaii	3			Hawaii.
<i>Ananas comosus</i> (pineapple)	British Honduras, Hawaii, Nigeria, Philippines, Puerto Rico.	6			Fla., Hawaii, Mass., N.Y., P.R.
<i>Brassavola nodosa</i> (orchid) plant	British Honduras			1	Fla.
Clothing	Haiti	1			Fla.
<i>Cocos nucifera</i> (coconut)	Fiji	1			Calif.*
<i>Cucumis</i> sp. (leaf)	Dominican Republic	1			N.Y.
<i>Dendrobium</i> sp. (orchid) flower	Hawaii	1			Hawaii.
Flowers	do	1			Hawaii.
<i>Gladiolus</i> sp.	Japan		1		Hawaii.
Herb	Dominican Republic	1			N.Y.
<i>Ipomoea batatas</i> (sweetpotato)	do	1			N.Y.
<i>Iroa</i> sp.	Fiji	1			Hawaii.
<i>Leptotes</i> sp. (orchid)	St. Martin			1	P.R.
<i>Mangifera indica</i> (mango)	Hawaii	1			Hawaii.
Orchid	Australia, British Honduras, Honduras, Madagascar.			9	Calif.,* Fla., N.Y.
<i>Persea americana</i> (avocado)	Dominican Republic	1			N.Y.
<i>Plumeria</i> sp. (frangipani)	Hawaii			1	Calif.*
<i>Zingiber officinale</i> (ginger)	Canal Zone, Fiji	2			Fla., Hawaii.
<i>Phelomerus aberrans</i> (Sharp) (Bruchidae):					
<i>Cassia leptophylla</i> (seed)	Brazil			1	Fla.
Legume (dry pod)	Mexico	1			Tex.
<i>Tamarindus indica</i> (tamarind) pod	do	1			Ariz.
<i>Phelypera distigma</i> Boh. (Curculionidae):					
Orchid (plant)	do			1	Tex.
<i>Phera centrolimeata</i> (Sign.) (Cicadellidae):					
<i>Yucca</i> sp.	do			1	Tex.
<i>Phlyctinus callosus</i> Boh. (Curculionidae):					
<i>Vitis</i> sp. (grape)	Republic of South Africa.	12	1		Mass., N.Y.
<i>Pholidoforus advena</i> Zimmerman (Curculionidae):					
Mail	Hawaii	1			Hawaii.
<i>Phytomyza rufipes</i> Meig. (Agromyzidae):					
<i>Brassica oleracea</i> var. <i>botrytis</i> (cauliflower)	Belgium, England, France, Germany.		4		N.Y., Pa., Tex.
<i>B. oleracea</i> var. <i>capitata</i> (cabbage)	England		1		Md.
<i>Cichorium endivia</i> (endive)	Belgium	1			N.Y.
<i>Raphanus sativus</i> (radish)	Denmark, unknown		6		N.Y.
<i>Pieris brassicae</i> (L.) (Pieridae):					
<i>Brassica oleracea</i> var. <i>capitata</i> (cabbage)	France, Italy		2		Mich., N.Y.
Military cargo (with conex box)	Azores, Morocco	2			La.
<i>Pinnaspis buri</i> (Bouché) (Coccidae):					
<i>Cordyline terminalis</i> (ti)	Hawaii	1			Hawaii.
<i>Platoceticus symmicta</i> Dyar (Psychidae):					
<i>Musa X paradisiaca</i> (banana)	Ecuador	1			La.
<i>Platynota rostrana</i> (Wlk.) (Tortricidae):					
<i>Capsicum annuum</i> (pepper)	Puerto Rico	1			P.R.
<i>Dianthus caryophyllus</i> (carnation) cut	Brazil		1		N.Y.
<i>Plemeliella abietina</i> Seitner (Cecidomyiidae):					
<i>Picea abies</i> (Norway spruce) seed	Denmark			1	N.J.
<i>P. glauca</i> (white spruce) seed	Austria, Denmark			3	N.J.
<i>Polydesma umbricola</i> Bsd. (Noctuidae):					
Airplane	Japan		1		Hawaii.
Mail (parcel)	Hawaii	1			Hawaii.
<i>Polytus mellerborgii</i> (Boh.) (Curculionidae):					
<i>Musa</i> sp. (banana) plant	do			1	Hawaii.



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<i>Porphyrobaphe iostoma</i> (Sowerby) (Bulimulidae): <i>Musa X paradisiaca</i> (banana)	Ecuador	2			Fla.
<i>Praticolella berlandieriana</i> (Moricand) (Polygyridae): <i>Aechmea</i> sp. (plant)	Mexico			1	Tex.
<i>Prays fulvocanellus</i> Wlsm. (Yponomeutidae): <i>Pelea anisata</i> (berry lei)	Hawaii	1			Hawaii.
<i>Prays oleellus</i> (F.) (Yponomeutidae): <i>Olea europaea</i> (olive)	Greece, Italy	3			N.Y.
<i>Premnotrypes latithorax</i> (Pierce) (Curculionidae): <i>Solanum tuberosum</i> (potato)	Bolivia	1			Fla.
<i>Prepiella aurea</i> (Btlr.) (Arctiidae): <i>Musa X paradisiaca</i> (banana)	Ecuador	2			Fla.
<i>Prodecatoma philodendri</i> Ferr. (Eurytomidae): <i>Philodendron</i> sp. (seed)	Brazil			2	Fla.
<i>Prodenia litura</i> (F.) (Noctuidae): Airplane	Unknown		1		Hawaii.
<i>Beta vulgaris</i> (beet)	Israel		1		N.Y.
<i>Capsicum annuum</i> (pepper)	do		1		N.Y.
Cargo	Philippines	1			Hawaii.
<i>Protopulvinaria pyriformis</i> (Ckll.) (Coccidae): <i>Gardenia jasminoides</i> (leaf)	El Salvador	1			Calif.*
<i>Pseudacysta perseae</i> (Heid.) (Tingidae): <i>Persea</i> sp. (leaf)	Mexico	1			Calif.
<i>Pseudaonidia claviger</i> Ckll. (Coccidae): <i>Gardenia jasminoides</i> (cut flower)	Hawaii	2			Hawaii.
<i>Pseudischnaspis alienus</i> (Newst.) (Coccidae): Orchid (plant)	British Honduras			1	Fla.
<i>Pseudischnaspis boureyi</i> (Ckll.) (?) (Coccidae): Orchid (plant)	Mexico			1	Calif.*
<i>Pseudischnaspis longissima</i> (Ckll.) (Coccidae): <i>Mangifera indica</i> (mango)	Guatemala, Mexico	3	2		Calif.*
<i>Pseudococcus gahani</i> Green (Coccidae): <i>Cucurbita pepo</i> (pumpkin)	Brazil		1		Calif.*
<i>Musa</i> sp. (stem)	Hawaii		1		Calif.*
<i>Pseudococcus lilacinus</i> Ckll. (Coccidae): <i>Achras zapota</i> (sapodilla) stem	Philippines		1		Hawaii.
<i>Lansium domesticum</i> (langsat)	do	1			Hawaii.
<i>Quisqualis indica</i> (Rangoon creeper) fruit and stem.	do	1			Hawaii.
<i>Pseudococcus neobrevipes</i> (Beardsley) (Coccidae): <i>Annona reticulata</i> (custard-apple)	do	1			Hawaii.
Cactus (flower)	Hawaii			1	Hawaii.
<i>Pseudococcus oceanicus</i> Tak. (Coccidae): <i>Cocos nucifera</i> (coconut)	do	3			Hawaii.
<i>Pseudococcus palmarum</i> (Ehrh.) (Coccidae): <i>Cocos nucifera</i> (coconut) cap and leaf	do	2			Calif.*
<i>Pseudopachymerus lallemandi</i> (Mars.) (Bruchiidae): <i>Acacia</i> sp. (seed)	Italy	1			N.Y.
<i>Pseudoparlatoria serrulata</i> Towns. & Ckll. (Coccidae): Orchid	Ecuador, Guatemala			4	Calif.*
<i>Pseudothrips glaucus</i> Bagnall (Thripidae): <i>Protea</i> sp.	Republic of South Africa.	1			N.Y.
<i>Pulvinaria psidii</i> Mask. (Coccidae): <i>Alpinia purpurata</i> (cut flower)	Hawaii, Tahiti	28			Hawaii.
<i>Gardenia jasminoides</i> (cut flower)	Hawaii	46	1		Hawaii.
<i>Zingiber officinale</i> (ginger) cut flower	do	1			Calif.*
<i>Pyropotosia pryeri</i> (Jans.) (Scarabaeidae): Clothing	Unknown	1			Alaska.
<i>Reticulitermes flavipes</i> (Koll.) (Rhinotermitidae): Clothing	Mexico	1			Tex.
<i>Dioon purpusii</i> (Purpus dioon)	do			1	Tex.
<i>Saccharum officinarum</i> (sugarcane)	do	1			Tex.
<i>Reticulitermes tibialis</i> Banks (Rhinotermitidae): <i>Tillandsia usneoides</i> (treebeard)	do	1			Calif.
<i>Retinella hammonis</i> (Ström) (Zonitidae): Soil	Ireland	1			Mass.
Soil with <i>Betula</i> sp. (birch)	Italy			1	N.Y.
Soil with potted plants	Germany			1	N.J.

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<i>Rhagoletis alternata</i> (Fall.)(?) (Tephritidae): <i>Rosa</i> sp.-----	Czechoslovakia-----	1	-----	-----	N.Y.
<i>Rhagoletis cerasi</i> (L.) (Tephritidae): <i>Prunus avium</i> (Mazzard cherry)-----	Germany, unknown-----	1	1	-----	Fla., Ill.
<i>P. cerasus</i> (sour cherry)-----	Europe (country(?)), Germany-----	36	55	-----	N.Y.
<i>Prunus</i> sp. (cherry)-----	Azores, Europe (country(?)), France, Germany, Israel, Italy, Poland, Portugal, Spain, unknown-----	53	40	-----	Calif.,* Ill., Mass., Mich., N.J., N.Y., Pa., P.R.
<i>Rhagoletis cerasi</i> (L.)(?) (Tephritidae): <i>Prunus</i> sp. (cherry)-----	Turkey-----	-----	1	-----	N.Y.
<i>Rhinostomus barbirostris</i> (F.) (Curculionidae): <i>Chamaedorea</i> sp. (palm) leaf-----	Mexico-----	1	-----	-----	Tex.
<i>Rhopalosiphoninus tulipaellus</i> (Theob.) (Aphidae): <i>Gladiolus</i> sp. (corm)-----	Italy-----	-----	-----	1	Mich.
<i>Rhopalosiphum rufiabdominalis</i> (Sasaki)(?) (Aphidae): <i>Rhododendron</i> sp. (azalea)-----	Japan-----	-----	-----	1	Hawaii.
<i>Rhynchophorus palmarum</i> (L.) (Curculionidae): <i>Cocos nucifera</i> (coconut) tree-----	Mexico-----	-----	-----	1	Tex.
Quarters-----	Unknown-----	-----	1	-----	Fla.
<i>Rumina decollata</i> (L.) (Achatinidae): Military cargo-----	Morocco-----	1	-----	-----	N.Y.
<i>Scantius forsteri</i> (F.) (Pyrrhocoridae): <i>Vitis</i> sp. (grape)-----	Republ. of South Africa-----	1	1	-----	N.Y.
<i>Schneidereria pistaciella</i> Weber (Gelechiidae): <i>Pistacia</i> sp. (pistache) green nut-----	Greece, Italy-----	2	-----	-----	N.Y.
<i>Selenothrips rubrocinctus</i> (Giard) (Thripidae): <i>Coccoloba</i> sp. (sea grape) leaf-----	Bermuda-----	-----	-----	1	N.Y.
<i>Cocos nucifera</i> (coconut) plant-----	Palmyra Island-----	-----	-----	1	Hawaii.
<i>Codiaeum variegatum</i> (variegated croton)-----	Hawaii-----	1	-----	-----	Hawaii.
<i>Sennius probus</i> (Shp.)(?) (Bruchidae): <i>Cassia occidentalis</i> (coffee senna)-----	Jamaica-----	-----	-----	1	D.C.
<i>Sesamia cretica</i> Led. (Noctuidae): <i>Sorghum vulgare</i> var. <i>technicum</i> (broomcorn)-----	Greece, Italy, Spain-----	3	2	-----	Md., N.Y., Ohio.
<i>Zea mays</i> (corn) ear and husk-----	Italy, unknown-----	2	-----	1	N.Y.
<i>Sesamia nonagriodes</i> (Lef.) (Noctuidae): Baggage (with <i>Castanea</i> sp. (chestnut))-----	Portugal, Spain-----	2	-----	-----	N.Y., P.R.
<i>Sinorylon anale</i> Lesne (Bostrichidae): Cargo-----	India-----	-----	1	-----	Ala.
<i>Swietenia mahagoni</i> (mahogany) dowel-----	Unknown-----	1	-----	-----	La.
Wood (crate)-----	India, Pakistan-----	3	-----	-----	La., N.Y.
<i>Sinorylon conigerum</i> Gerst. (Bostrichidae): <i>Anthurium</i> sp.-----	Hawaii-----	1	-----	-----	Hawaii.
Baggage-----	do-----	1	-----	-----	Hawaii.
<i>Samanea</i> sp. (lumber)-----	do-----	1	-----	-----	Hawaii.
Wood (crate)-----	Ceylon, India, Zanzibar-----	3	-----	-----	Calif.,* Md., N.Y.
<i>Siphanta acuta</i> (Wlk.) (Flatidae): Flowers-----	Hawaii-----	2	-----	-----	Hawaii.
<i>Sisamnes contractus</i> Dist. (Lygaeidae): Bromeliad-----	Mexico-----	-----	-----	1	Tex.
<i>Sitona cylindricollis</i> Fahrs. (Curculionidae): Stores-----	Unknown-----	-----	1	-----	Mich.
<i>Sitona hispidula</i> (F.) (Curculionidae): Dunnage-----	do-----	-----	3	-----	Wis.
Nursery stock-----	Netherlands-----	-----	-----	1	N.J.
Quarters-----	Unknown-----	-----	1	-----	Mich.
<i>Scabiosa graminifolia</i> (grassleaf scabious)-----	England-----	-----	-----	1	Ill.
<i>Sitona humeralis</i> Steph. (Curculionidae): <i>Apium graveolens</i> var. <i>dulce</i> (celery)-----	Italy-----	-----	1	-----	N.Y.
<i>Sitona lineata</i> (L.) (Curculionidae): <i>Ampelopsis</i> sp. (plant)-----	Netherlands-----	-----	-----	1	N.J.
<i>Dianthus caryophyllus</i> (carnation)-----	do-----	1	-----	-----	N.Y.
Flour-----	Canada-----	-----	1	-----	Ohio.
<i>Freesia</i> sp. (cut flower)-----	Netherlands-----	1	-----	-----	N.Y.
Nursery stock-----	do-----	-----	-----	13	N.J.
<i>Rhododendron</i> sp.-----	do-----	-----	-----	1	N.J.



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<i>Sogata orizicola</i> Muir (Delphacidae): Airplane	Nicaragua		3		P.R.
<i>Solaropsis monile</i> (Broderip) (Camaenidae): <i>Musa</i> × <i>paradisiaca</i> (banana)	Ecuador	2			Fla., La.
<i>Spanioneura fonscolombei</i> Foerst. (Psyllidae): Flowers	England		2		Wash.
<i>Spanogonicus albofasciatus</i> (Reuter) (Miridae): <i>Medicago sativa</i> (alfalfa)	Mexico	1			Tex.
<i>Sphenarches caffer</i> (Zell.) (Pterophoridae): <i>Cajanus cajan</i> (pigeonpea)	Dominican Republic, Puerto Rico.	3			N.Y., P.R.
<i>Dolichos lablab</i> (hyacinth bean)	Trinidad	1			N.Y.
<i>Sphingonotus rubescens</i> (Walk.) (Acrididae): Airplane	Morocco		1		Fla.
<i>Spodoptera mauritia acronyctoides</i> (Guen.) (Noctuidae): Airplane	China, Guam, Okinawa(?), West Pacific, unknown.		6		Hawaii.
<i>Spodoptera pecten</i> Guen. (Noctuidae): Airplane	Japan, unknown		6		Hawaii.
<i>Stator limbatus</i> (Horn) (Bruchidae): Airplane	Hawaii		1		Hawaii.
<i>Enterolobium</i> sp. (earpod tree) pod	do	1			Hawaii.
<i>Leucaena leucocephala</i> (white popinac lead tree) seed.	do	1			Hawaii.
<i>Pithecellobium dulce</i> (guamachil apes-earring)	Mexico	1			Ariz.
<i>Pithecellobium</i> sp. (seed)	Hawaii			1	Calif.*
Plant material (dry)	do	1			Hawaii.
<i>Samanea saman</i> (raintree saman)	do	2			Hawaii.
<i>Stator pruininus</i> (Horn) (Bruchidae): Seed—Unidentified	do	1			Hawaii.
<i>Stenotarsonemus laticeps</i> (Halb.) (Tarsonemidae): <i>Narcissus</i> sp. (bulb)	England, Ireland			141	N.J.
<i>Stenomoma calenifer</i> Wlsm. (Stenomidae): <i>Persea americana</i> (avocado)	British Honduras, Colombia, Costa Rica, Ecuador, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, Panama, Peru, unknown, Venezuela.	38	4	2	Ala., Calif.,* Fla., La., N.Y., S.C., Tex.
<i>P. americana</i> var. <i>drymifolia</i> (Mexican avocado).	Mexico	1			Tex.
<i>Stenoptilia stigmatodactyla</i> Zell. (Pterophoridae): <i>Gentiana</i> sp. (gentian) cut flower	Switzerland	2			N.Y.
<i>Stephanoderes hampei</i> (Ferr.) (Scolytidae): <i>Coffea arabica</i> (Arabian coffee) berry	Brazil	1		1	N.Y., Hawaii,
<i>Coffea</i> sp.	Formosa, Republic of South Africa, unknown.	4			Mich., N.J., Va.
<i>Sternochetus mangiferae</i> (F.) (Curculionidae): <i>Mangifera indica</i> (mango)	Hawaii, India	55	1	5	Calif.,* Hawaii, N.Y.
<i>Sterrhia inquinata</i> (Scop.) (Geometridae): <i>Opuntia humifusa</i> (pricklypear) flower	Italy	1			N.Y.
<i>Subulina octona</i> (Brug.) (Achatinidae): <i>Mirabilis jalapa</i> 'Marvel-of-Peru' (four-o'clock) seed.	Netherlands			1	Pa.†
Orchid (plant)	Peru			1	Fla.
<i>Suidasia medanensis</i> Oud. (Acaridae): <i>Gossypium</i> sp. (cottonseed)	India			1	N.Y.
<i>Pluchea odorata</i>	Philippines	1			Hawaii.
<i>Sybra alternans</i> (Wied.) (Cerambycidae): <i>Anthurium</i> sp. (cut flower)	Hawaii	1			Hawaii.
Baggage	do	1			Hawaii.
<i>Lycopodium cernuum</i> (staghorn clubmoss)	do	1			Hawaii.
<i>Plumeria rubra</i> (Mexican frangipani)	do			1	Hawaii.

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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Sylepta balteata</i> (F.) (Pyraustidae):					
Airplane	Unknown		1		Hawaii.
<i>Syngamia florella</i> (Cram.) (Pyraustidae):					
Airplane	Cuba		1		Fla.
<i>Syntomis cysea</i> (Cr.) (Ctenuchidae):					
Debris	India		1		Va.
<i>Taeniothrips atratus</i> (Hal.) (Thripidae):					
<i>Anemone</i> sp. (cut flower)	England	1			N.Y.
<i>Aster</i> sp. (cut flower)	Europe (country(?)), Germany.	1	1		N.Y.
<i>Bellis</i> sp. (daisy) cut flower	Sweden(?)		1		N.Y.
<i>Calluna vulgaris</i> (heather) cut stems	England, Germany, Ireland, Norway, Scotland.	7			N.Y.
<i>Centaurea cyanus</i> (cornflower)	Belgium, England	2			Ill., N.Y.
<i>Chrysanthemum</i> sp. (cut flower)	England, Scotland	1	1		N.Y.
<i>Crocus</i> sp. (cut flower)	England	1			N.Y.
<i>Dahlia</i> sp. (cut flower)	Ireland, Netherlands, unknown.	2	1		N.Y.
<i>Dianthus barbatus</i> (sweet william)	England	2			Mass., N.Y.
<i>D. caryophyllus</i> (carnation)	Denmark, England, Europe (country(?)), Germany, Hungary, Ireland, Netherlands, Poland, Scotland, unknown, Yugoslavia.	29	10		Ill., Mass., N.J., N.Y., Pa., Wash.
Flowers	Denmark, England, Germany, Netherlands, unknown.	3	6		Calif.,* N.J., N.Y., Wash.
<i>Gladiolus</i> sp. (cut flower)	Ireland	1			N.Y.
<i>Lathyrus odoratus</i> (sweet pea) cut flower	Germany, Norway, unknown.	2	3		N.Y.
<i>Lupinus</i> sp. (lupine) cut flower	Unknown		1		N.Y.
Nursery stock	Netherlands			4	N.J.
<i>Ornithogalum</i> sp.	do	1			N.Y.
<i>Phlox</i> sp. (cut flower)	England		1		N.Y.
<i>Rosa</i> sp. (cut flower)	Czechoslovakia, Denmark, England, Germany, Ireland, Poland, Sweden, unknown.	12	3		Ill., N.Y.
Soil with unidentified plants	Brazil			1	N.Y.
<i>Taeniothrips dianthi</i> Priesner (Thripidae):					
<i>Dianthus caryophyllus</i> (carnation) cut	Belgium, Europe (country(?)), Germany, Hungary, Poland.	5	4		Ill., N.Y.
<i>Taeniothrips discolor</i> (Karny) (Thripidae):					
<i>Gerbera</i> sp. (cut flower)	Israel	1			Ill.
<i>Taeniothrips ericae</i> (Hal.) (Thripidae):					
<i>Calluna vulgaris</i> (heather) cut stem and plant	England, Germany, Ireland, Norway, Poland, Scotland.	16	2		Ill., N.Y., Pa.
<i>Rosa</i> sp. (cut flower)	Hungary	1			N.Y.
<i>Solanum tuberosum</i> (potato)	England	1			Hawaii.
<i>Taeniothrips eucharii</i> (Whetzel) (Thripidae):					
<i>Lycoris albiflora</i> (bulb)	Japan			1	N.Y.
<i>L. aurea</i> (golden lycoris) bulb	do			3	N.Y.
<i>L. radiata</i> (shorttube lycoris) bulb	do			4	N.Y.
<i>L. sanguinea</i> (orange lycoris) bulb	do			1	N.Y.
<i>L. squamigera</i> (autumn lycoris) bulb	do			4	N.Y.
<i>Lycoris</i> sp. (bulb)	do			6	Calif.,* N.J., N.Y., N.C.
<i>Narcissus</i> sp. (bulb)	do			1	N.Y.
<i>Taeniothrips hawaiiensis</i> (Morg.) (Thripidae):					
<i>Canavalia</i> sp. (mauna loa) lei	Hawaii	1			Calif.,*
<i>Gardenia jasminoides</i>	do	10			Hawaii.
<i>Vanda</i> 'Miss Joachim' (orchid) flower	do	1			Hawaii.
<i>Taeniothrips picipes</i> (Zett.) (Thripidae):					
<i>Dianthus caryophyllus</i> (carnation) cut	Spain	1			N.Y.
<i>Prosopis nigra</i> (cut flower)	Argentina	1			N.Y.



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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Talponia batesi</i> Hein. (Olethreutidae):					
<i>Annona cherimola</i> (cherimoya).....	Mexico.....	6		1	Tex.
<i>A. muricata</i> (soursop).....	Dominican Republic.....		1		Pa.
<i>Annona</i> sp. (seed).....	Mexico.....	2			Tex.
" <i>Targionia</i> " <i>hartii</i> (Ckll.) (Coccidae):					
<i>Dioscorea alata</i> (winged yam) root.....	Ghana.....			1	D.C.
<i>Zingiber officinale</i> (ginger).....	Fiji, Japan.....	10			Calif.,* Hawaii.
<i>Teleogryllus mitratus</i> (Burm.) (Gryllidae):					
Airplane.....	Japan.....		1		Hawaii.
Mail (sack).....	do.....	1			Hawaii.
<i>Teleonemia prolixa</i> Stal (Tingidae):					
<i>Chrysanthemum</i> sp. (cut flower).....	Mexico.....	1			Ariz.
<i>Tenthecoris exitiosus</i> (Dist.) (Miridae):					
Orchid (plant).....	Brazil.....			1	Fla.
<i>Tephritis conura</i> Loew (Tephritidae):					
<i>Cirsium</i> sp. (thistle) flower head.....	Sweden.....			1	Va.
<i>Tetranychus cinnabarinus</i> (Bois.) (Tetranychidae):					
<i>Dianthus caryophyllus</i> (carnation) cut.....	Mexico.....	1			Tex.
<i>Fragaria</i> sp. (strawberry) plant.....	do.....			1	Calif.
<i>Tetranychus viennensis</i> Zacher (Tetranychidae):					
<i>Malus sylvestris</i> (apple).....	Hungary, Japan.....	2			Hawaii, Tex.
<i>Theba pisana</i> (Müller) (Helicidae):					
Airplane.....	Spain.....		1		Fla.
<i>Allium porrum</i> (leek).....	Portugal.....		1		N.Y.
Automobile.....	France, Libya.....	3			Ohio, S.C.
<i>Citrus sinensis</i> (sweet orange).....	Morocco.....	1			Va.
Crate.....	Portugal, Spain.....	2			Calif.,* Del.
Flowers.....	France.....	1			Ill.
<i>Lactuca sativa</i> (lettuce).....	France, Italy, Morocco.....		4		N.Y.
<i>Lilium candidum</i> (Madonna lily).....	Unknown.....	1			N.Y.
Military cargo.....	Azores, Crete, Italy, Libya, Morocco, Spain, unknown.....	39			La., Mass., N.Y., N.C. S.C., Va.
<i>Mirabilis jalapa</i> (four-o'clock) seed.....	France, Netherlands.....			2	Pa.
Plant material (dry).....	France.....	1			Calif.*
<i>Protea</i> sp. (cut flower).....	Republic of South Africa.....	1			N.Y.
<i>Quercus suber</i> (cork oak).....	Spain.....	1			Ill.
Stores.....	do.....		1		S.C.
<i>Thrips angusticeps</i> Uzel (Thripidae):					
<i>Chrysanthemum</i> sp. (cut flower).....	England.....		1		N.Y.
<i>Citrus</i> sp. (plant).....	Italy.....			1	N.Y.
<i>Cynara scolymus</i> (artichoke).....	do.....	1			N.Y.
Flowers.....	Greece.....		1		N.Y.
<i>Lactuca sativa</i> (lettuce).....	England, Europe (country(?)), France, Italy, unknown.....		9		Mass., N.Y.
<i>Matthiola</i> sp. (stock) cut flower.....	Greece.....	1			N.Y.
<i>Rosmarinus officinalis</i> (rosemary).....	Italy.....			1	Mass.
Soil with plants.....	do.....			2	Mass.
<i>Thrips flavus</i> Schrank (Thripidae):					
<i>Anemone</i> sp. (cut flower).....	France.....	1			N.Y.
<i>Antirrhinum majus</i> (snapdragon) cut.....	England, Ireland.....	2			N.Y.
<i>Aster</i> sp. (cut flower).....	Germany.....	1			N.Y.
<i>Calluna vulgaris</i> (heather).....	Germany, Iceland, Ireland, Norway, Scotland.....	5	1	1	N.Y.
<i>Chrysanthemum</i> sp. (cut flower).....	England, Scotland, unknown.....	3	7		N.Y.
<i>Convallaria majalis</i> (lily-of-the-valley) cut flower.....	England.....	1			N.Y.
<i>Cynara scolymus</i> (artichoke).....	do.....	1			N.Y.
<i>Dahlia</i> sp. (cut flower).....	England, Scotland, unknown.....	2	1		N.Y.
<i>Dianthus barbatus</i> (sweetwilliam) cut.....	Switzerland.....		1		N.Y.
<i>D. caryophyllus</i> (carnation).....	Europe (country(?)), Ireland, Poland.....	3	1		N.Y.

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		Consumption	Nonentry	Propagation	
<i>Thrips flavus</i> Schrank—Continued					
Flowers	Denmark, England, Germany, unknown.	1	10		Calif.,* N.J., Pa., Wash.
<i>Fragaria</i> sp. (strawberry) plant	Switzerland			1	N.Y.
<i>Gladiolus</i> sp. (cut flower)	England, Germany, Poland.	3			N.Y.
<i>Lathyrus odoratus</i> (sweetpea) cut	Scotland	1			N.Y.
<i>Lupinus</i> sp. (lupine) cut flower	Unknown		1		N.Y.
Nursery stock	Netherlands			3	N.J.
<i>Rosa</i> sp. (cut flower and plant)	Czechoslovakia, Denmark, England, Finland, Germany, Ireland, Israel, Poland, Switzerland, unknown.	18	3	1	Ill., Mass., N.Y.
<i>Zinnia</i> sp. (cut flower)	England	1			Pa.
<i>Thrips imaginis</i> Bagnall (Thripidae):					
<i>Hyacinthus</i> sp. (cut flower)	Australia		1		Hawaii.
<i>Rosa</i> sp. (cut flower)	do	1			Hawaii.
<i>Thrips major</i> Uzel (Thripidae):					
<i>Bellis</i> sp. (daisy) cut flower	Iceland		1		N.Y.
<i>Calluna vulgaris</i> (heather)	Germany	2			N.Y., Wash.
<i>Dianthus caryophyllus</i> (carnation)	Finland, Germany, Greece, Sweden.	3	1		Ill., N.Y.
Flowers	England, Ireland	1	2		N.Y., Wash.
<i>Gentiana</i> sp. (gentian) cut flower	Denmark	1			N.Y.
<i>Rosa</i> sp.	Denmark, England, Finland, Germany, Ireland, Israel, unknown.	12	3		Ill., N.Y., Wash.
<i>Thrips nigropilosus</i> Uzel (Thripidae):					
<i>Chrysanthemum</i> sp. (cut flower)	Japan	1			Hawaii.
<i>Thrips pillichi</i> Priesner (Thripidae):					
<i>Chrysanthemum</i> sp. (cut flower)	England, unknown		3		N.Y.
<i>Dahlia</i> sp. (cut flower)	England	1			N.Y.
Flowers	England, unknown	1	7		Pa., Wash.
<i>Petroselinum crispum</i> (parsley)	England		1		Wash.
<i>Tipula paludosa</i> Mg. (Tipulidae):					
<i>Arabis</i> sp. (rockcress) plant	do			1	N.Y.
<i>Tipula scripta</i> Mg. (Tipulidae):					
Airplane	Germany		1		N.J.
<i>Tortrix excessana</i> (Wlk.) (Tortricidae):					
<i>Malus sylvestris</i> (apple)	New Zealand	1			Hawaii.
<i>Treherniella tibouchinae</i> (Moulton) (Phlaeothripidae):					
<i>Schizolobium parahybum</i> (seed)	Brazil			1	D.C.
<i>Trialeurodes similis</i> Rsl. (Aleyrodidae):					
<i>Citrus</i> sp. (leaf)	Mexico	3			Calif., Tex.
<i>Trialeurodes vitrinellus</i> Ckll. (Aleyrodidae):					
<i>Citrus</i> sp. (leaf)	do	1			Tex.
<i>Trichia hispida</i> (L.) (Helicellidae):					
Soil	Ireland	1			Mass.
<i>Trigonophora meticulosa</i> (L.) (Noctuidae):					
Packing material (with <i>Aconitum</i> sp.)	Netherlands			1	N.Y.
<i>Trochuda raspa</i> (Druce) (?) (Dipteridae):					
Orchid (plant)	Mexico			1	Tex.
<i>Trogoderma granarium</i> Everts (Dermestidae):					
<i>Acacia senegal</i> (gum arabic)	Sudan	59			N.Y.
<i>Acacia</i> sp. (talha gum)	do	1			N.Y.
<i>Apium graveolens</i> var. <i>dulce</i> (celery) seed	India	2			N.Y.
<i>Astragalus gummifer</i> (gum tragacanth)	Iran	2			N.Y.
Bagging (including new burlap, used burlap and jute bagging, and wrappers on bales of raw cotton, bales of rubber, black pepper, celery seed, coir yarn, cotton waste, guar gum, gum arabic, gum tragacanth, mangrove bark, monkey food, myrobalan, rice, and tamarind seed powder).	Ceylon, Germany, India, Netherlands Pakistan, Sudan.	26	1		Ga., Ill., Md., N.Y., N.C., Pa., S.C., Tex.
Ballast	India		1		Minn.
<i>Caesalpinia coriaria</i> (divi-divi) pod	Unknown	1			Md.
<i>Cajanus cajan</i> (pigeonpea)	India, Kenya(?), unknown.		4		N.C., Pa., Tex.



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		Consumption	Nonentry	Propagation	
<i>Trogoderma granarium</i> Everts—Continued Cargo (in hold of ship and with cotton cloth, crates of glass, and wall board).	France, Germany, India, Iran, Pakistan, unknown.	9	22	-----	Ill., Md., Mich., N.C., Ohio, Pa., S.C., Tex.
<i>Cicer arietinum</i> (chickpea)-----	India-----	1	-----	-----	N.Y.
<i>Cinnamomum</i> sp. (cinnamon)-----	Seychelles-----	1	-----	-----	N.Y.
<i>Coriandrum sativum</i> (coriander) seed-----	India-----	-----	1	-----	Hawaii.
<i>Cuminum cyminum</i> (cumin) seed-----	Iran, Lebanon-----	3	-----	-----	N.Y.
<i>Cyamopsis tetragonoloba</i> (guar gum)-----	India, Pakistan, Sudan-----	13	-----	-----	N.Y., N.C., S.C.
Debris-----	Formosa, India, Korea, unknown.	-----	8	-----	Calif.,* Ga., La., Md., Pa.
<i>Foeniculum vulgare</i> (fennel) seed-----	India-----	2	-----	-----	N.Y., Pa.
<i>Glycine max</i> (soybean)-----	Formosa, unknown-----	-----	2	-----	Wash.
Grain-----	India, unknown-----	-----	2	-----	Mich., N.Y.
Gum zedou-----	Iran-----	2	-----	-----	N.Y.
<i>Myristica fragrans</i> (nutmeg)-----	Ceylon-----	1	-----	-----	N.Y.
<i>Oryza sativa</i> (rice)-----	Federation of Malaysia, Hong Kong, India, Iran, Japan, Pakistan, Thailand, unknown.	2	16	-----	Ala., Calif.,* La., N.Y., N.C., S.C., Wash.
<i>Phaseolus aureus</i> (mung bean)-----	Formosa-----	-----	1	-----	Hawaii.
<i>P. vulgaris</i> cv. (string bean)-----	Netherlands-----	-----	1	-----	Tex.
<i>Pistacia vera</i> (common pistache) nut-----	India-----	1	-----	-----	Tex.
<i>Pisum sativum</i> (pea)-----	France, India, Netherlands-----	-----	3	-----	Md., Tex.
<i>Plantago ovata</i> (psyllium) husk and seed-----	India-----	3	-----	-----	N.Y., Pa.
<i>Pyrus</i> sp. (seed)-----	Kuwait-----	1	-----	-----	N.Y.
Quarters (of ship)-----	Unknown-----	-----	1	-----	S.C.
<i>Sterculia urens</i> (gum karaya)-----	India-----	11	-----	-----	N.Y., Pa., Va.
Stores (on storeroom floor and shelves and in chickpea, coriander, pea, pigeonpea, rice, and sugar).	England, Germany, Hong Kong, India, Japan, Pakistan, unknown.	-----	15	-----	Ga., Hawaii, Md., N.C., Pa., S.C., Tex., Wash.
<i>Tamarindus indica</i> (tamarind) seed powder-----	India-----	3	-----	-----	Ga., Va.
<i>Terminalia</i> sp. (myrobalan)-----	do-----	2	-----	-----	N.Y., S.C.
<i>Vicia faba</i> (broadbean)-----	Unknown-----	-----	1	-----	Ill.
<i>Trogoxylon aequale</i> (Woll.)(Lyctidae): Automobile-----	Mexico-----	1	-----	-----	Calif.
<i>Rhynchosia pyramidalis</i> ("pego palo")-----	Haiti-----	1	-----	-----	Fla.
Wood (hardwood art carving)-----	American Virgin Islands-----	1	-----	-----	N.Y.
<i>Trogoxylon prostomoides</i> (Gorh.)(Lyctidae): Bamboo (basket)-----	Mexico-----	1	-----	-----	Calif.
Wood (mask)-----	do-----	1	-----	-----	Calif.
<i>Tylotropidius gracilipes</i> Brancsik (Acrididae): Food (for bird)-----	Mozambique-----	1	-----	-----	N.Y.
<i>Udea ferrugalis</i> (Hbn.)(Pyraustidae): <i>Apium graveolens</i> var. <i>dulce</i> (celery)-----	Italy-----	-----	2	-----	N.Y.
<i>Brassica oleracea</i> var. <i>capitata</i> -----	do-----	-----	2	-----	N.Y.
<i>Lactuca sativa</i> (lettuce)-----	France, Italy-----	-----	2	-----	N.Y.
<i>Lycopersicon esculentum</i> (tomato)-----	Italy-----	-----	1	-----	N.Y.
<i>Mentha</i> sp. (mint) leaf-----	Portugal-----	1	-----	-----	N.Y.
<i>Petroselinum crispum</i> (parsley)-----	Greece-----	1	-----	-----	N.Y.
<i>Ulopa hovana</i> Lallemand (Cicadellidae): Orchid (plant)-----	Madagascar-----	-----	-----	1	N.Y.
<i>Ulopa reticulata</i> (F.)(Cicadellidae): <i>Calluna vulgaris</i> (heather)-----	Denmark, Germany-----	2	-----	-----	N.Y.
<i>Unaspis citri</i> (Comst.)(Coccidae): <i>Citrus aurantifolia</i> (lime)-----	Guatemala, Nicaragua, Panama.	1	2	-----	Calif.*
<i>C. limon</i> (lemon)-----	Brazil, Guatemala, Mexico.	2	2	-----	Calif.*
<i>C. paradisi</i> (grapefruit)-----	Panama-----	-----	2	-----	Calif.*
<i>C. reticulata</i> (Mandarin orange)-----	Brazil, Ecuador-----	-----	2	-----	Calif.*
<i>C. sinensis</i> (sweet orange)-----	Brazil, Japan, Mexico.	2	5	-----	Calif.*

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		Consumption	Nonentry	Propagation	
<i>Unaspis yanonensis</i> (Kuw.) (Coccidae):					
<i>Citrus aurantifolia</i> (lime)-----	Japan-----		2		Hawaii, Wash.
<i>C. aurantium</i> (sour orange)-----	do-----		12		Calif.,* Hawaii, Wash.
<i>C. ichangensis</i> × <i>C. reticulata</i> var. <i>austra</i> ("yuzu").	do-----		1		Calif.
<i>C. limon</i> (lemon)-----	Japan, unknown-----		18		Calif.,* Hawaii, N.Y., Oreg.
<i>C. paradisi</i> (grapefruit)-----	Japan-----	3	14		Calif.,* Hawaii.
<i>C. paradisi</i> × <i>C. reticulata</i> (tangelo)-----	do-----		7		Hawaii, N.Y.
<i>C. reticulata</i> (Mandarin orange)-----	Australia, China, Hong Kong, Japan, unknown.	48	168		Calif.,* Hawaii, N.Y., Oreg. Wash.
<i>C. reticulata</i> cv-----	Hong Kong, Japan-----	5	7		Hawaii.
<i>C. sinensis</i> (sweet orange)-----	Australia, China, Fiji, Japan, Philippines.	11	111		Calif.,* Hawaii, N.Y., Oreg., Wash.
<i>Citrus</i> sp-----	Japan-----	2	16		Calif.,* Hawaii.
<i>Fortunella japonica</i> (Marumi kumquat)-----	do-----		2		Hawaii.
<i>Utethesia pulchella</i> (L.) (Aretiidae):					
Airplane-----	West Pacific-----		1		Hawaii.
<i>Vilga dissimilis</i> Dist. (Coreidae):					
Orchid (plant)-----	Canal Zone-----			1	Fla.
<i>Vinsonia stellifera</i> (Westw.) (Coccidae):					
<i>Annona muricata</i> (soursop) leaf-----	Dominican Republic-----	2			Fla.
<i>Anthurium</i> sp. (leaf)-----	Trinidad-----			1	Fla.
<i>Aspasia epidendroides</i> (orchid) leaf-----	Canal Zone-----			1	Fla.
<i>Brassia caudata</i> (orchid)-----	Panama-----			1	Fla.
<i>Brassia</i> sp. (leaf)-----	Canal Zone, Panama-----			2	Fla.
<i>Bromeliad</i> (leaf)-----	Jamaica-----			1	Fla.
<i>Broughtonia</i> sp. (orchid) leaf-----	Haiti, Jamaica-----			10	Fla.
<i>Cattleya</i> sp. (orchid) leaf-----	Trinidad-----			1	N.J.
<i>Epidendrum fragrans</i> (orchid) leaf-----	Canal Zone-----			1	Fla.
<i>Epidendrum</i> sp. (leaf)-----	Antigua, Dominica, unknown.			4	Fla.
<i>Eugenia jambos</i> (rose-apple) leaf-----	Jamaica-----	1			Fla.
Leaf—unidentified-----	Dominican Republic-----	1			Fla.
<i>Lycaste</i> sp. (orchid) leaf-----	Canal Zone-----			1	Fla.
<i>Maxillaria</i> sp. (orchid) leaf-----	Panama-----			1	Fla.
<i>Notylia barkeri</i> (orchid) leaf-----	do-----			1	Fla.
<i>Oncidium</i> sp. (orchid) leaf-----	British Honduras, French Guiana, Jamaica, Trinidad.			5	Fla.
Orchid (leaf)-----	Antigua, Bahamas, British Honduras, Canal Zone, El Salvador, Guate- mala, Haiti, Jamaica, Panama, Puerto Rico, Trini- dad, unknown.			41	Calif.,* Fla.
Palm (leaf)-----	Puerto Rico-----	1			Fla.
<i>Stanhopea</i> sp. (orchid) leaf-----	Canal Zone-----			2	Fla.
<i>Xanthochroina bicolor</i> (LeC.) (Oedemeridae):					
Debris-----	Mexico-----	1			Tex.
<i>Xiphidiopsis lita</i> Heb. (Tettigoniidae):					
<i>Operculina tuberosa</i> (wood-rose)-----	Hawaii-----	1			Hawaii.
<i>Vanda</i> 'Miss Joachim' (orchid)-----	do-----	1			Hawaii.
<i>Xyloperthella crinitarsis</i> (Imh.) (Bostrichidae):					
Wood (packing board)-----	Republic of the Congo.	3			Md.



Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump- tion	Nonentry	Propaga- tion	
<i>Xyloperthella picea</i> (Oliv.)(Bostrichidae): Wood (packing board)-----	Angola, Republic of the Congo, West Africa.	3	-----	-----	Md.
<i>Xyloperthodes nitidipennis</i> (Murray)(?)(Bostri- chidae): Wood (packing board)-----	West Africa-----	1	-----	-----	Md.
<i>Xylopsocus castanoptera</i> (Fairm.)(Bostrichidae): <i>Samanea saman</i> (raintree saman) log-----	Fiji-----	1	-----	-----	Hawaii.
<i>Xylothrips religiosus</i> (Boisd.)(Bostrichidae): <i>Anthurium</i> sp.-----	Hawaii-----	1	-----	-----	Hawaii.
Wood (packing board)-----	Ceylon-----	1	-----	-----	Md.
<i>Zamagiria dixolophella</i> Dyar (Phycitidae): <i>Achras zapota</i> (sapodilla)-----	Honduras-----	-----	1	-----	Fla.
<i>Zeadiatraea lineolata</i> (Wlk.)(Crambidae): Airplane-----	Nicaragua-----	-----	1	-----	P.R.
<i>Saccharum officinarum</i> (sugarcane)-----	Bahamas-----	1	-----	-----	Fla.
<i>Zea mays</i> (corn)-----	Guatemala-----	1	-----	-----	Tex.

\*(An asterisk indicates State inspection)

*Hosts and Insects*

## ACACIA:

- Acanthoscelides spinipes* (Coleoptera)
- Araecerus levipennis* (Coleoptera)
- Ectomyelois ceratoniae* (Lepidoptera)
- Exptochiomera formosa* (Hemiptera)
- Pseudopachymerus lallemandi* (Coleoptera)
- Trogoderma granarium* (Coleoptera)

## ACER:

- Periphyllus aceris* (Homoptera)

## ACHRAS:

- Anastrepha ocrea* (Diptera)
- Pseudococcus lilacinus* (Homoptera)
- Zamagiria dixolophella* (Lepidoptera)

## ADENANTHERA:

- Caryedon gonagra* (Coleoptera)

## AECHEA:

- Pentalonia nigronervosa* (Homoptera)
- Praticolella berlandieriana* (Mollusca)

## AGAVE:

- Batrachedra linaria* (Lepidoptera)
- Pachybrachius albocinctus* (Hemiptera)

## AILANTHUS:

- Pentodon punctatus* (Coleoptera)

## ALEURITES:

- Dacus dorsalis* (?) (Diptera)

## ALLIUM CEPA:

- Aceria tulipae* (Acarina)
- Acrolepia assectella* (Lepidoptera)

## ALLIUM PORRUM:

- Acrolepia assectella* (Lepidoptera)
- Cochlicella ventrosa* (Mollusca)
- Helicella virgata* (Mollusca)
- Theba pisana* (Mollusca)

## ALLIUM SATIVUM:

- Brachycerus albidentatus* (Coleoptera)
- B. algirus* (Coleoptera)
- Cochlicella barbara* (Mollusca)
- Dyspessa ulula* (Lepidoptera)

## ALPINA:

- Pentalonia nigronervosa* (Homoptera)
- Pheidole megacephala* (Hymenoptera)
- Pulvinaria psidii* (Homoptera)

## ALTHAEA:

- Pectinophora malvella* (Lepidoptera)
- Pericopia malvella* (Lepidoptera)

## AMPELOPSIS:

- Sitona lineata* (Coleoptera)

## ANANAS:

- Araecerus levipennis* (Coleoptera)
- Arphnus melanotylus* (Hemiptera)
- Dysdercus obliquus* (Hemiptera)
- Ethelema sobrina* (Coleoptera)
- Ligyrocoris nitidicollis* (Hemiptera)
- Lygaeus pulchellus* (Hemiptera)
- Metamasius hemipterus sericeus* (Coleoptera)
- Pheidole megacephala* (Hymenoptera)

## ANEMONE:

- Taeniothrips atratus* (Thysanoptera)
- Thrips flavus* (Thysanoptera)

## ANNONA:

- Beprata maculicollis* (Hymenoptera)
- Cerconota anonella* (Lepidoptera)
- Pseudococcus neobrevipes* (Homoptera)
- Talponia batesi* (Lepidoptera)
- Vinsonia stellifera* (Homoptera)

## ANTHURIUM:

- Bradybaena similaris* (Mollusca)
- Ceroplastes rubens* (Homoptera)
- Sinoxylon conigerum* (Coleoptera)
- Sybra alternans* (Coleoptera)
- Vinsonia stellifera* (Homoptera)
- Xylothrips religiosus* (Coleoptera)

## ANTIRRHINUM:

- Haplothrips gowdeyi* (Thysanoptera)
- Thrips flavus* (Thysanoptera)

## APIUM:

- Euleia heraclei* (Diptera)
- Sitona humeralis* (Coleoptera)
- Trogoderma granarium* (Coleoptera)
- Udea ferrugalis* (Lepidoptera)

## ARABIS:

- Lygus rugulipennis* (Hemiptera)
- Tipula paludosa* (Diptera)

## ARACHIS:

- Caryedon gonagra* (Coleoptera)

## ARCTIUM:

- Ostrinia nubilalis* (Lepidoptera)

## ARECA:

- Aspidiotus palmae* (Homoptera)

## ASPASIA:

- Vinsonia stellifera* (Homoptera)

## ASTER:

- Frankliniella intonsa* (Thysanoptera)
- Taeniothrips atratus* (Thysanoptera)
- Thrips flavus* (Thysanoptera)

## ASTRAGALUS:

- Bruchidius marginalis* (Coleoptera)
- Trogoderma granarium* (Coleoptera)

## AVERRHOA:

- Dacus dorsalis* (Diptera)

## BAMBOO:

- Asterolecanium bambusae* (Homoptera)
- Chlorophorus annularis* (Coleoptera)
- Eucalendra setulosa* (Coleoptera)
- Myocalandra elongata* (Coleoptera)
- Oxychilus alliarius* (Mollusca)
- Pentamerismus oregonensis* (Acarina)
- Trogoxylon prostomoides* (Coleoptera)

## BAMBUSA:

- Asterolecanium bambusae* (Homoptera)

## BARRINGTONIA:

- Ectomyelois ceratoniae* (Lepidoptera)

## BELLIS:

- Taeniothrips atratus* (Thysanoptera)
- Thrips major* (Thysanoptera)

## BETA:

- Gnorimoschema ocellatella* (Lepidoptera)
- Mamestra brassicae* (Lepidoptera)
- Prodenia litura* (Lepidoptera)

## BETULA:

- Aceria rudis* (Acarina)
- Argyroploce lacunana* (Lepidoptera)

## BILLBERGIA:

- Aleuroplatus variegatus* (Homoptera)

## BIXA:

- Acanthoscelides bixae* (Coleoptera)

## BLETIA:

- Nasutitermes chaquimayensis* (Isoptera)

## BRASSAVOLA:

- Pheidole megacephala* (Hymenoptera)

## BRASSIA:

- Vinsonia stellifera* (Homoptera)

## BRASSICA OLERACEA VAR. ACEPHALA:

- Mamestra brassicae* (Lepidoptera)

## BRASSICA OLERACEA VAR. BOTRYTIS:

- Arianta arbustorum* (Mollusca)
- Bibio hortulanus* (Diptera)
- Evergestis forficalis* (Lepidoptera)
- Helicella candidula* (Mollusca)
- Helix aspersa* (Mollusca)
- Mamestra brassicae* (Lepidoptera)
- Phytomyza rufipes* (Diptera)

## BRASSICA OLERACEA VAR. CAPITATA:

- Cochlicella ventrosa* (Mollusca)
- Eupelax cuspidata* (Homoptera)
- Evergestis forficalis* (Lepidoptera)
- Helicella variabilis* (Mollusca)
- Mamestra brassicae* (Lepidoptera)
- Milax gagates* (Mollusca)
- Otala lactea* (Mollusca)
- Phytomyza rufipes* (Diptera)
- Pieris brassicae* (Lepidoptera)
- Udea ferrugalis* (Lepidoptera)

## BRASSICA RAPA:

- Hellula undalis* (Lepidoptera)

## BROMELIAD:

- Anechura vara* (Dermaptera)
- Arphnus melanotylus* (Hemiptera)
- Chrysomphalus personatus* (Homoptera)
- Conotelus mexicanus* (Coleoptera)
- Cylindrocopturus tetralobus* (?) (Coleoptera)
- Drymaeus hegewischi* (Mollusca)
- Galgupha punctifer* (Hemiptera)
- Iridomyrmex iniquus* (Hymenoptera)
- Limax marginatus* (Mollusca)
- Lygaeus pulchellus* (Hemiptera)
- Metamasius hemipterus hemipterus* (Coleoptera)
- Pallantia macula* (Hemiptera)
- Paracosmia tolteca* (Dermaptera)
- Sisamnes contractus* (Hemiptera)



## Hosts and Insects—Continued

## BROMELIAD—Continued

*Vinsonia stellifera* (Homoptera)

## BROUGHTONIA:

*Vinsonia stellifera* (Homoptera)

## BUXUS:

*Eriophyes canestrinii* (Acarina)

## CACTUS:

*Ceratitis capitata* (Diptera)*Cryphula apicata* (Hemiptera)*Lepidosaphes philococcus* (Homoptera)*Pseudococcus neobrevipes* (Homoptera)

## CAESALPINIA:

*Trogoderma granarium* (Coleoptera)

## CAJANUS:

*Acanthoscelides armitagei* (Coleoptera)*Ancylostomia stercorea* (Lepidoptera)*Caryedon gonagra* (Coleoptera)*Fundella pellucens* (Lepidoptera)*Maruca testulalis* (Lepidoptera)*Sphenarches caffer* (Lepidoptera)*Trogoderma granarium* (Coleoptera)

## CALLUNA:

*Frankliniella intonsa* (Thysanoptera)*Gelechia ericetella* (Lepidoptera)*Taeniothrips atratus* (Thysanoptera)*T. ericae* (Thysanoptera)*Thrips flavus* (Thysanoptera)*T. major* (Thysanoptera)*Ulopa reticulata* (Homoptera)

## CALOCARPUM:

*Anastrepha ludens* (Diptera)

## CALOPHYLLUM:

*Ceratitis capitata* (Diptera)*Dacus dorsalis* (Diptera)

## CAMELLIA:

*Amatissa consorta* (Lepidoptera)

## CANAVALLA:

*Cryptophlebia illepida* (Lepidoptera)*Lampides boeticus* (Lepidoptera)*Maruca testulalis* (Lepidoptera)*Taeniothrips hawaiiensis* (Thysanoptera)

## CAPSICUM:

*Ceratitis capitata* (Diptera)*Dacus cucurbitae* (Diptera)*D. dorsalis* (Diptera)*Forficula decipiens* (Dermaptera)*Frankliniella sulphurea* (Thysanoptera)*Gnorimoschema gudmannella* (Lepidoptera)*Ostrinia nubilalis* (Lepidoptera)*Platynota rostrana* (Lepidoptera)*Prodenia litura* (Lepidoptera)

## CARICA:

*Ceratitis capitata* (Diptera)*Dacus dorsalis* (Diptera)

## CASSIA:

*Aganactesis indecora* (Lepidoptera)*Caryedon gonagra* (Coleoptera)*Ectomyelois ceratoniae* (Lepidoptera)*Phelomerus aberrans* (Coleoptera)*Sennius probus* (?) (Coleoptera)

## CASTANEA:

*Bruchidius gilvus* (Coleoptera)*Curculio elephas* (Coleoptera)*Laspeyresia splendana* (Lepidoptera)

## CATTLEA:

*Eurytoma orchidearum* (Hymenoptera)*Vinsonia stellifera* (Homoptera)

## CEDRUS:

*Minthea squamigera* (Coleoptera)

## CELOSIA:

*Haplothrips gowdeyi* (Thysanoptera)

## CENTAUREA:

*Taeniothrips atratus* (Thysanoptera)

## CERATONIA:

*Ectomyelois ceratoniae* (Lepidoptera)

## CERATOZAMIA:

*Melanaspis squamae* (Homoptera)

## CHAMAECYPARIS:

*Brevipalpus obovatus* (Acarina)

## CHAMAEDOREA:

*Aleuroplatus variegatus* (Homoptera)*Asterolecanium epidendri* (Homoptera)*Calypsocephala gerstaeckeri* (Coleoptera)*Carystoides basochesii replana* (Lepidoptera)*C. lebbaeus* (Lepidoptera)*Coelonertus nigrirostris* (Coleoptera)*Labia arcuata* (Dermaptera)*Parisoschoenus expositus* (Coleoptera)*P. flavolimbatus* (Coleoptera)*Rhinostomus barbirostris* (Coleoptera)

## CHRYSANTHEMUM:

*Bryobia ehari* (Acarina)*Conotelus mexicanus* (Coleoptera)*Frankliniella formosae* (Thysanoptera)*F. schultzei* (Thysanoptera)*Haplothrips gowdeyi* (Thysanoptera)*Taeniothrips atratus* (Thysanoptera)*Teleonemia proluxa* (Hemiptera)*Thrips angusticeps* (Thysanoptera)*T. flavus* (Thysanoptera)*T. nigropilosus* (Thysanoptera)*T. pillichi* (Thysanoptera)

## CIBOTIUM:

*Orychilus alliarius* (Mollusca)

## CICER:

*Bruchus tristis* (Coleoptera)*Trogoderma granarium* (Coleoptera)

## CICHORIUM:

*Helicella variabilis* (Mollusca)*Phytomyza rufipes* (Diptera)

## CINNAMOMUM:

*Trogoderma granarium* (Coleoptera)

## CIRSIIUM:

*Tephritis conura* (Diptera)

## CITRUS AURANTIFOLIA:

*Aleurocanthus woglumi* (Homoptera)*Anastrepha ludens* (Diptera)*Brevipalpus obovatus* (Acarina)*Chrysomphalus albopictus* (Homoptera)*C. personatus* (Homoptera)*Morganella longispina* (Homoptera)*Parlatoria cinerea* (Homoptera)*Unaspis citri* (Homoptera)*U. yanonensis* (Homoptera)

## CITRUS AURANTIUM:

*Aleurocanthus woglumi* (Homoptera)*Parlatoria citri* (Homoptera)*P. zizyphus* (Homoptera)*Unaspis yanonensis* (Homoptera)

## CITRUS GRANDIS:

*Parlatoria cinerea* (Homoptera)

## CITRUS ICHANGENSIS X C. RETICULATA

VAR. AUSTRA:

*Unaspis yanonensis* (Homoptera)

## CITRUS LIMON:

*Aspidiotus putearis* (Homoptera)*Brevipalpus chilensis* (Acarina)*Parlatoria cinerea* (Homoptera)*P. zizyphus* (Homoptera)*Unaspis citri* (Homoptera)*U. yanonensis* (Homoptera)

## CITRUS MITIS:

*Ceratitis capitata* (Diptera)*Parlatoria zizyphus* (Homoptera)

## CITRUS PARADISI:

*Anastrepha ludens* (Diptera)*Aonidiella citrina* (Homoptera)*Ceratitis capitata* (Diptera)*Morganella longispina* (Homoptera)*Parlatoria cinerea* (Homoptera)*P. zizyphus* (Homoptera)*Unaspis citri* (Homoptera)*U. yanonensis* (Homoptera)

## CITRUS PARADISI X C. RETICULATA:

*Parlatoria zizyphus* (Homoptera)*Unaspis yanonensis* (Homoptera)

## CITRUS RETICULATA:

*Anastrepha ludens* (Diptera)*Aspidiotus diffinis* (Homoptera)*Ceratitis capitata* (Diptera)*Parlatoria cinerea* (Homoptera)*P. citri* (Homoptera)*P. zizyphus* (Homoptera)*Unaspis citri* (Homoptera)*U. yanonensis* (Homoptera)

## CITRUS RETICULATA CV.:

*Unaspis yanonensis* (Homoptera)

## CITRUS SINENSIS:

*Aleurocanthus woglumi* (Homoptera)*Anastrepha ludens* (Diptera)*Aonidiella citrina* (Homoptera)



*Hosts and Insects—Continued*

## CITRUS SINENSIS—Continued

*Aspidiotus excisus* (Homoptera)  
*Ceratitis capitata* (Diptera)  
*Chrysomphalus personatus* (Homoptera)  
*Cryptoblabes gnidiella* (Lepidoptera)  
*Ectomyelois ceratoniae* (Lepidoptera)  
*Parlatoria cinerea* (Homoptera)  
*P. citri* (Homoptera)  
*P. zizyphus* (Homoptera)  
*Theba pisana* (Mollusca)  
*Unaspis citri* (Homoptera)  
*U. yanonensis* (Homoptera)

## CITRUS SINENSIS VAR. SHAMUTI:

*Ceratitis capitata* (Diptera)

## CITRUS SP.:

*Aleurocanthus woglumi* (Homoptera)  
*Aleuroparadoxus gardeniae* (Homoptera)  
*Aleurotuberculatus aucubae* (Homoptera)  
*Dialeurodes citrifolii* (Homoptera)  
*Parlatoria zizyphus* (Homoptera)  
*Pentamerismus oregonensis* (Acarina)  
*Thrips angusticeps* (Thysanoptera)  
*Trialeurodes similis* (Homoptera)  
*T. vitrinellus* (Homoptera)  
*Unaspis yanonensis* (Homoptera)

## COCOLOBA:

*Selenothrips rubrocinctus* (Thysanoptera)

## COCOS:

*Aspidiotus destructor* (Homoptera)  
*A. excisus* (Homoptera)  
*Chrysomphalus albopictus* (Homoptera)  
*C. personatus* (Homoptera)  
*Diocalandra taitensis* (Coleoptera)  
*Furcaspis oceanica* (Homoptera)  
*Lepidosaphes esakii* (Homoptera)  
*Pheidole megacephala* (Hymenoptera)  
*Pseudococcus oceanicus* (Homoptera)  
*P. palmarum* (Homoptera)  
*Rhynchophorus palmarum* (Coleoptera)  
*Selenothrips rubrocinctus* (Thysanoptera)

## CODIAEUM:

*Achaea janata* (Lepidoptera)  
*Lepidosaphes tokionis* (Homoptera)  
*Selenothrips rubrocinctus* (Thysanoptera)

## COFFEA:

*Aleurocanthus woglumi*(?) (Homoptera)  
*Anastrepha fraterculus*(?) (Diptera)  
*Ceratitis capitata* (Diptera)  
*Coccus viridis* (Homoptera)  
*Stephanoderes hampei* (Coleoptera)

## COLA:

*Ceratitis colae*(?) (Diptera)

## COLOCASIA:

*Bradybaena similis* (Mollusca)

## COLUBRINA:

*Amblycerus reticulatus* (Coleoptera)

## CONVALLARIA:

*Thrips flavus* (Thysanoptera)

## CORDYLINE:

*Bradybaena similis* (Mollusca)  
*Limax marginatus* (Mollusca)  
*Pinaspis buxi* (Homoptera)

## CORIANDRUM:

*Trogoderma granarium* (Coleoptera)

## CORYLUS:

*Curculio nucum* (Coleoptera)

## CRASSULA:

*Cerodontha denticornis* (Diptera)

## CRATAEGUS:

*Aleurotuberculatus aucubae* (Homoptera)  
*Euproctis similis* (Lepidoptera)

## CROCUS:

*Taeniothrips atratus* (Thysanoptera)

## CUCUMIS:

*Dacus cucurbitae* (Diptera)  
*Miogryllus convolutus* (Orthoptera)  
*Naupactus xanthographus* (Coleoptera)  
*Pheidole megacephala* (Hymenoptera)

## CUCURBITA:

*Pseudococcus gahani* (Homoptera)

## CUMINUM:

*Trogoderma granarium* (Coleoptera)

## CYAMOPSIS:

*Trogoderma granarium* (Coleoptera)

## CYCADACEAE:

*Eumaeus debora* (Lepidoptera)

## CYCAS:

*Ceroplastes ceriferus* (Homoptera)

## CYDONIA:

*Anastrepha ludens* (Diptera)  
*Ceratitis capitata* (Diptera)  
*Cryptoblabes gnidiella* (Lepidoptera)  
*Ectomyelois ceratoniae* (Lepidoptera)

## CYMBOPOGON:

*Opogona sacchari* (Lepidoptera)

## CYNARA:

*Anuraphis cardui* (Homoptera)  
*Depressaria erinaceella* (Lepidoptera)  
*Gortyna flavago* (Lepidoptera)  
*Hydroecia xanthenes* (Lepidoptera)  
*Thrips angusticeps* (Thysanoptera)  
*T. flavus* (Thysanoptera)

## CYTISUS:

*Bruchidius villosus* (Coleoptera)

## DAHLIA:

*Frankliniella intonsa* (Thysanoptera)  
*Haplothrips gowdeyi* (Thysanoptera)  
*Taeniothrips atratus* (Thysanoptera)  
*Thrips flavus* (Thysanoptera)  
*T. pillichii* (Thysanoptera)

## DALBERGIA:

*Nasutitermes corniger* (Isoptera)

## DAUCUS:

*Ceciloides acicula* (Mollusca)  
*Phalonia zephyrana* (Lepidoptera)

## DELPHINIUM:

*Conotelus mexicanus* (Coleoptera)

## DENDROBIUM:

*Aleurodicus trinidadensis* (Homoptera)  
*Orchidophilus aterrimus* (Coleoptera)  
*Pheidole megacephala* (Hymenoptera)

## DESMODIUM:

*Bruchidius caeruleus* (Coleoptera)

## DIANTHUS:

*Aphidura pujoli* (Homoptera)  
*Cacoecimorpha pronubana* (Lepidoptera)  
*Frankliniella formosae* (Thysanoptera)  
*F. intonsa* (Thysanoptera)  
*Haplothrips cotei* (Thysanoptera)  
*H. gowdeyi* (Thysanoptera)  
*Platynota rostrana* (Lepidoptera)  
*Sitona lineata* (Coleoptera)  
*Taeniothrips atratus* (Thysanoptera)  
*T. dianthi* (Thysanoptera)  
*T. picipes* (Thysanoptera)  
*Tetranychus cinnabarinus* (Acarina)  
*Thrips flavus* (Thysanoptera)  
*T. major* (Thysanoptera)

## DIOON:

*Reticulitermes flavipes* (Isoptera)

## DIOSCOREA:

*Palaeopus costicollis* (Coleoptera)  
*"Targionia" hartii* (Homoptera)

## DIOSPYROS:

*Brevipalpus obovatus* (Acarina)  
*Ceratitis capitata* (Diptera)  
*Lepidosaphes conchiformis* (Homoptera)

## DOLICHOS:

*Sphenarches caffer* (Lepidoptera)

## ECHINODORUS:

*Aleurodicus iridescens* (Homoptera)

## ENCEPHALARTOS:

*Antliarhinus zamiae* (Coleoptera)

## ENTADA:

*Araecerus cumingi* (Coleoptera)

## ENTEROLOBIUM:

*Stator limbatus* (Coleoptera)

## EPIDENDRUM:

*Nasutitermes ephratae* (Isoptera)  
*Orchidophilus aterrimus* (Coleoptera)  
*Vinsonia stellifera* (Homoptera)

## ERIOBOTRYA:

*Ectomyelois ceratoniae* (Lepidoptera)

## EUGENIA:

*Ceratitis capitata* (Diptera)  
*Dacus dorsalis* (Diptera)  
*Vinsonia stellifera* (Homoptera)



*Hosts and Insects—Continued*

- EUPHORBIA:  
*Aspidiotus capensis* (tentative) (Homoptera)
- EUPHORIA:  
*Cryptophlebia ombrodelta* (Lepidoptera)
- FICUS:  
*Ceratitis capitata* (Diptera)  
*Ectomyelois ceratoniae* (Lepidoptera)
- FOENICULUM:  
*Trogoderma granarium* (Coleoptera)
- FORTUNELLA:  
*Parlatoria zizyphus* (Homoptera)  
*Unaspis yanonensis* (Homoptera)
- FRAGARIA:  
*Frankliniella intonsa* (Thysanoptera)  
*Tetranychus cinnabarinus* (Acarina)  
*Thrips flavus* (Thysanoptera)
- FREESIA:  
*Sitona lineata* (Coleoptera)
- GARDENIA:  
*Aleuroparadoxus gardeniae* (Homoptera)  
*Coccus viridis* (Homoptera)  
*Dialeurodes kirkaldyi* (Homoptera)  
*Eucalymnatus tessellatus* (Homoptera)  
*Protopulvinaria pyriformis* (Homoptera)  
*Pseudaonidia claviger* (Homoptera)  
*Pulvinaria psidii* (Homoptera)  
*Taeniothrips hawaiiensis* (Thysanoptera)
- GENTIANA:  
*Stenoptilia stigmatodactyla* (Lepidoptera)  
*Thrips major* (Thysanoptera)
- GERBERA:  
*Taeniothrips discolor* (Thysanoptera)
- GLADIOLUS:  
*Conotelus mexicanus* (Coleoptera)  
*Frankliniella intonsa* (Thysanoptera)  
*F. tenuicornis* (Thysanoptera)  
*Opogona sacchari* (Lepidoptera)  
*Pheidole megacephala* (Hymenoptera)  
*Rhopalosiphoninus tulipaellus* (Homoptera)  
*Taeniothrips atratus* (Thysanoptera)  
*Thrips flavus* (Thysanoptera)
- GLYCINE:  
*Trogoderma granarium* (Coleoptera)
- GLYCYRRHIZA:  
*Lyctus africanus* (Coleoptera)
- GOSSYPIUM:  
*Ectomyelois ceratoniae* (Lepidoptera)  
*Mescinia peruella* (Lepidoptera)  
*Orycaerus hyalinipennis* (Hemiptera)  
*Pectinophora gossypiella* (Lepidoptera)  
*Suidasia medanensis* (Acarina)
- GYMNOSTACHYUM:  
*Coccus viridis* (Homoptera)
- HEDERA:  
*Ceroplastes rubens* (Homoptera)
- HEDYCHIUM:  
*Pentalonia nigronervosa* (Homoptera)
- HEDYSARUM:  
*Bruchidius gilvus* (Coleoptera)
- HIBISCUS:  
*Acrosternum heegeri* (Hemiptera)  
*Pectinophora gossypiella* (Lepidoptera)
- HOLMSKIOLDIA:  
*Orchidophilus aterrimus* (Coleoptera)
- HYACINTHUS:  
*Thrips imaginis* (Thysanoptera)
- IPOMOEA:  
*Cylas formicarius* var. (Coleoptera)  
*C. formicarius elegantulus* (Coleoptera)  
*C. formicarius formicarius* (Coleoptera)  
*C. puncticollis* (Coleoptera)  
*Euscepes postfasciatus* (Coleoptera)  
*Pheidole megacephala* (Hymenoptera)
- IXORA:  
*Chaetanaphothrips orchidii* (Thysanoptera)  
*Pheidole megacephala* (Hymenoptera)
- JASMINUM:  
*Aleurotuberculatus jasmini* (Homoptera)  
*Dialeurodes kirkaldyi* (Homoptera)
- JUGLANS:  
*Ceratitis capitata* (?) (Diptera)  
*Ectomyelois ceratoniae* (Lepidoptera)
- JUNIPERUS:  
*Oligonychus perditus* (Acarina)  
*Pentamerismus oregonensis* (Acarina)
- KHAYA:  
*Cordylomera spinicornis* (?) (Coleoptera)
- LABURNUM:  
*Bruchidius debilis* (Coleoptera)  
*B. villosus* (Coleoptera)
- LACTUCA:  
*Arianta arbustorum* (Mollusca)  
*Cochlicella ventrosa* (Mollusca)  
*Dactynotus sonchi* (Homoptera)  
*Geomyza tripunctata* (Diptera)  
*Helicella variabilis* (Mollusca)  
*Helix aspersa* (Mollusca)  
*Limax marginatus* (Mollusca)  
*Limothrips denticornis* (Thysanoptera)  
*Mamestra brassicae* (Lepidoptera)  
*Milax gagates* (Mollusca)  
*Theba pisana* (Mollusca)  
*Thrips angusticeps* (Thysanoptera)  
*Udea ferrugalis* (Lepidoptera)
- LANSIUM:  
*Pseudococcus lilacinus* (Homoptera)
- LATHYRUS:  
*Bruchus emarginatus* (Coleoptera)  
*B. signaticornis* (Coleoptera)  
*B. tristiculus* (Coleoptera)  
*B. tristis* (Coleoptera)  
*B. viciae* (Coleoptera)  
*Taeniothrips atratus* (Thysanoptera)  
*Thrips flavus* (Thysanoptera)
- LENS:  
*Bruchidius incarnatus* (Coleoptera)  
*B. meleagrinus* (Coleoptera)  
*Bruchus ervi* (Coleoptera)  
*B. lentis* (Coleoptera)  
*B. signaticornis* (Coleoptera)  
*B. ulicis* (Coleoptera)
- LEPTOTES:  
*Pheidole megacephala* (Hymenoptera)
- LEUCAENA:  
*Araecerus levipennis* (Coleoptera)  
*Oxydema fusiforme* (Coleoptera)  
*Stator limbatus* (Coleoptera)
- LILIUM:  
*Orchidophilus aterrimus* (Coleoptera)  
*Otala vermiculata* (Mollusca)  
*Theba pisana* (Mollusca)
- LITCHI:  
*Cryptophlebia ombrodelta* (Lepidoptera)
- LUPINUS:  
*Taeniothrips atratus* (Thysanoptera)  
*Thrips flavus* (Thysanoptera)
- LYCASTE:  
*Vinsonia stellifera* (Homoptera)
- LYCOPERSICON:  
*Ceratitis capitata* (?) (Diptera)  
*Neoleucinodes elegantalis* (Lepidoptera)  
*Udea ferrugalis* (Lepidoptera)
- LYCOPODIUM:  
*Sybra alternans* (Coleoptera)
- LYCORIS:  
*Taeniothrips eucharis* (Thysanoptera)
- MACADAMIA:  
*Cryptophlebia illepidia* (Lepidoptera)  
*C. ombrodelta* (Lepidoptera)
- MALUS:  
*Anastrepha ludens* (Diptera)  
*Austrotortrix postvittana* (?) (Lepidoptera)  
*Blastodacna atra* (Lepidoptera)  
*Carposina niponensis* (Lepidoptera)  
*Cenopalpus pulcher* (Acarina)  
*Ceratitis capitata* (Diptera)  
*Lepidosaphes tubulorum* (Homoptera)  
*Ostrinia nubilalis* (Lepidoptera)  
*Tetranychus viennensis* (Acarina)  
*Tortrix excessana* (Lepidoptera)
- MAMMEA:  
*Anastrepha ludens* (Diptera)
- MANGIFERA:  
*Anastrepha ludens* (Diptera)  
*A. mombinpraeoptans* (Diptera)  
*Aulacaspis tubercularis* (Homoptera)  
*Ceratitis capitata* (Diptera)  
*Cryptoblabes gnidiella* (Lepidoptera)  
*Dacus dorsalis* (Diptera)  
*Pheidole megacephala* (Hymenoptera)  
*Pseudischnaspis longissima* (Homoptera)



*Hosts and Insects—Continued***MANGIFERA—Continued***Sternochetus mangiferae* (Coleoptera)**MATTHIOLA:***Thrips angusticeps* (Thysanoptera)**MAXILLARIA:***Asterolecanium epidendri* (Homoptera)*Vinsonia stellifera* (Homoptera)**MEDICAGO:***Conotelus mexicanus* (Coleoptera)*Spanogonicus albofasciatus* (Hemiptera)**MENTHA:***Ovatus crataegarius* (Homoptera)*Udea ferrugalis* (Lepidoptera)**MESEMBRYANTHEMUM:***Haplothrips clarisetis*(?) (Thysanoptera)**METROSIDEROS:***Ceroplastes rubens* (Homoptera)**MIRABILIS:***Cochlicella barbara* (Mollusca)*Helicella candidula* (Mollusca)*H. elegans* (Mollusca)*H. trochoides* (Mollusca)*Helix aspersa* (Mollusca)*Subulina octona* (Mollusca)*Theba pisana* (Mollusca)**MOMORDICA:***Dacus cucurbitae* (Diptera)**MUSA:***Aspidiotus destructor* (Homoptera)*Cosmopolites sordidus* (Coleoptera)*Metamasius hemipterus hemipterus* (Coleoptera)*M. hemipterus sericeus* (Coleoptera)*Platoeceticus symmicta* (Lepidoptera)*Polytus mellerborgii* (Coleoptera)*Porphyrobaphe iostoma* (Mollusca)*Prepiella aurea* (Lepidoptera)*Pseudococcus gahani* (Homoptera)*Solaropsis monile* (Mollusca)**MUSCARI:***Helicella variabilis* (Mollusca)**MYRISTICA:***Trogoderma granarium* (Coleoptera)**NARCISSUS:***Merodon equestris* (Diptera)*Steneotarsonemus laticeps* (Acarina)*Taeniothrips eucharis* (Thysanoptera)**NEOREGELIA:***Aspidiotus palmarum* (Homoptera)**NOTHOPANAX:***Parthenothrips dracaenae* (Thysanoptera)**NOTYLIA:***Vinsonia stellifera* (Homoptera)**OLEA:***Aleurolobus olivinus* (Homoptera)*Dacus oleae* (Diptera)*Prays oleellus* (Lepidoptera)**ONCIDIUM:***Vinsonia stellifera* (Homoptera)**OPERCULINA:***Graptostethus manillensis* (Hemiptera)*Xiphidiopsis lita* (Orthoptera)**OPUNTIA:***Ceratitis capitata* (Diptera)*Sterrhia inquinata* (Lepidoptera)**ORCHID:***Adoretus sinicus* (Coleoptera)*Anthonomus albolineatus* (Coleoptera)*Arphnus melanotylus* (Hemiptera)*Aspidiotus palmarum* (Homoptera)*Bradybaena similis* (Mollusca)*Chaetanaphothrips orchidii* (Thysanoptera)*Chrysomphalus albopictus* (Homoptera)*C. odontoglossus* (Homoptera)*Coccus viridis* (Homoptera)*Diaphania quadrastigmatis* (Lepidoptera)*Diorymerellus laevimargo* (Coleoptera)*Eriopyga fea* (Lepidoptera)*Fulvius anthocorides* (Hemiptera)*Helicina neritella* (Mollusca)*Helix aspersa* (Mollusca)*Iridomyrmex iniquus* (Hymenoptera)*Lamellaris micra* (Mollusca)*Lepidosaphes tuberculata* (Homoptera)*Limax marginatus* (Mollusca)*Lygaeus pulchellus* (Hemiptera)*Milax gagates* (Mollusca)*Myrmecophila americana* (Orthoptera)*Nasutitermes ephratae* (Isoptera)*N. nigriceps* (Isoptera)*N. rippertii* (Isoptera)*Orchidophilus aterrimus* (Coleoptera)*Paracosmia tolteca* (Dermaptera)*Pheidole megacephala* (Hymenoptera)*Phelypera distigma* (Coleoptera);*Pseudischnaspis alienus* (Homoptera)*P. bowreyi*(?) (Homoptera)*Pseudoparlatoria serrulata* (Homoptera)*Subulina octona* (Mollusca)*Tenthecoris exitiosus* (Hemiptera)*Trochuda raspa*(?) (Lepidoptera)*Ulopa hovana* (Homoptera)*Vilga dissimilis* (Hemiptera)*Vinsonia stellifera* (Homoptera)**ORNITHOGALUM:***Aploneura lentisci* (Homoptera)*Haplothrips aculeatus* (Thysanoptera)*Taeniothrips atratus* (Thysanoptera)**ORYZA:***Chilo suppressalis* (Lepidoptera)*Ostrinia nubilalis* (Lepidoptera)*Trogoderma granarium* (Coleoptera)**PALM:***Aonidiella inornata* (Homoptera)*Aspidiotus palmarum* (Homoptera)*Chrysomphalus odontoglossus* (Homoptera)*Dinoderus borneanus*(?) (Coleoptera)*Vinsonia stellifera* (Homoptera)**PELEA:***Prays fulvocanellus* (Lepidoptera)**PERSEA:***Aspidiotus diffinis* (Homoptera)*Chrysomphalus albopictus* (Homoptera)*Conotrachelus aguacatae* (Coleoptera)*C. perseae* (Coleoptera)*Dacus dorsalis* (Diptera)*Pheidole megacephala* (Hymenoptera)*Pseudacysta perseae* (Hemiptera)*Stenomacrus catenifer* (Lepidoptera)**PETROSELINUM:***Euleia heraclei*(?) (Diptera)*Haplothrips clarisetis*(?) (Thysanoptera)*Thrips pillichii* (Thysanoptera)*Udea ferrugalis* (Lepidoptera)**PHAIUS:***Bradybaena similis* (Mollusca)**PHALAENOPSIS:***Chrysomphalus tingi* (Homoptera)**PHASEOLUS:***Acanthoscelides armitagei* (Coleoptera)*Ancylostomia stercorea* (Lepidoptera)*Caryedon gonagra* (Coleoptera)*Cryptophlebia ombrodella* (Lepidoptera)*Epinotia aporema* (Lepidoptera)*Everes comyntas* (Lepidoptera)*Fundella pellucens* (Lepidoptera)*Lampides boeticus* (Lepidoptera)*Maruca testulalis* (Lepidoptera)*Matsumuraesia phaseoli* (Lepidoptera)*Trogoderma granarium* (Coleoptera)**PHILODENDRON:***Chrysomphalus umboniferus* (Homoptera)*Prodecatoma philodendri* (Hymenoptera)**PHLOX:***Taeniothrips atratus* (Thysanoptera)**PHOENIX:***Ceratitis capitata* (Diptera)**PHRAGMITES:***Dinoderus bifoveolatus* (Coleoptera)*Giraudiella inclusa* (Diptera)*Minthea rugicollis* (Coleoptera)**PICEA:***Plemeliella abietina* (Diptera)**PINUS:***Dichocrocis punctiferalis* (Lepidoptera)*Forficula pubescens* (Dermaptera)*Ips calligraphus* (Coleoptera)*Lepidosaphes pini* (Homoptera)**PIPER:***Opeas pumilum* (Mollusca)



## Hosts and Insects—Continued

## PISTACIA:

- Ceratitis capitata* (Diptera)  
*Megastigmus pistaciae* (Hymenoptera)  
*Schneidereria pistaciella* (Lepidoptera)  
*Trogoderma granarium* (Coleoptera)

## PISUM:

- Ancylostomia stercorea* (Lepidoptera)  
*Bruchidius unicolor* (?) (Coleoptera)  
*Bruchus-rufipes* (Coleoptera)  
*B. tristiculus* (Coleoptera)  
*B. tristis* (Coleoptera)  
*Callosobruchus analis* (Coleoptera)  
*Lampides boeticus* (Lepidoptera)  
*Laspeyresia nigricana* (Lepidoptera)  
*Trogoderma granarium* (Coleoptera)

## PITHECELLOBIUM:

- Stator limbatus* (Coleoptera)

## PITIOSPORUM:

- Holochlora japonica* (Orthoptera)

## PLANTAGO:

- Trogoderma granarium* (Coleoptera)

## PLATYCERIUM:

- Opeas pyrgula* (Mollusca)

## PLUCHEA:

- Aceria pluchaeae* (Acarina)  
*Suidasia medanensis* (Acarina)

## PLUMERIA:

- Aspidiotus herculeanus* (Homoptera)  
*Caryedon gonagra* (Coleoptera)  
*Pheidole megacephala* (Hymenoptera)  
*Sybra alternans* (Coleoptera)

## POINCIANA:

- Cryptophlebia ombrodelta* (Lepidoptera)

## PORTULACA:

- Loxostege bifidalis* (Lepidoptera)

## PROSOPIS:

- Taeniothrips picipes* (Thysanoptera)

## PROTEA:

- Haplothrips gowdeyi* (Thysanoptera)  
*Pseudothrips glaucus* (Thysanoptera)  
*Theba pisana* (Mollusca)

## PRUNUS AMYGDALUS:

- Ectomyelois ceratoniae* (Lepidoptera)  
*Eurytoma amygdali* (Hymenoptera)  
*Monosteira unicastata* (Hemiptera)

## PRUNUS ARMENIACA:

- Ceratitis capitata* (Diptera)

## PRUNUS AVIUM:

- Rhagoletis cerasi* (Diptera)

## PRUNUS CERASUS:

- Rhagoletis cerasi* (Diptera)

## PRUNUS DOMESTICA:

- Austrotortrix postvittana* (?) (Lepidoptera)  
*Ceratitis capitata* (Diptera)

## PRUNUS PERSICA:

- Anastrepha ludens* (Diptera)  
*Ceratitis capitata* (Diptera)  
*Ostrinia nubilalis* (Lepidoptera)

## PRUNUS PERSICA VAR. NECTARINA:

- Ceratitis capitata* (Diptera)

## PRUNUS SEROTINA:

- Anthonomus rectirostris* (Coleoptera)

## PRUNUS SP. (cherry):

- Rhagoletis cerasi* (Diptera)

## PSIDIUM:

- Anastrepha mombinpraeoptans* (Diptera)  
*A. striata* (Diptera)  
*A. suspensa* (Diptera)  
*Ceratitis capitata* (Diptera)  
*Dacus dorsalis* (Diptera)

## PUNICA:

- Anastrepha ludens* (Diptera)  
*Ceratitis capitata* (Diptera)  
*Cryptoblabes gnidiella* (Lepidoptera)  
*Ectomyelois ceratoniae* (Lepidoptera)  
*Orycaenus hyalinipennis* (Hemiptera)

## PYRACANTHA:

- Aleuotuberculatus aucubae* (Homoptera)

## PYRUS:

- Anastrepha ludens* (Diptera)  
*Ceratitis capitata* (Diptera)  
*Ectomyelois ceratoniae* (Lepidoptera)  
*Trogoderma granarium* (Coleoptera)

## QUERCUS:

- Helicella caperata* (Mollusca)

- H. variabilis* (Mollusca)

- Laspeyresia splendana* (Lepidoptera)

- Neuroterus tricolor* (Hymenoptera)

- Theba pisapa* (Mollusca)

## QUISQUALIS:

- Pseudococcus lilacinus* (Homoptera)

## RAPHANUS:

- Phytomyza rufipes* (Diptera)

## RHODODENDRON:

- Dialeurodes chittendeni* (Homoptera)  
*Gracilaria azaleella* (Lepidoptera)  
*Pealius azaleae* (Homoptera)  
*Rhopalosiphum rufiabdominalis* (?) (Homoptera)  
*Sitona lineata* (Coleoptera)

## RHYNCHOSIA:

- Trogorylon aequale* (Coleoptera)

## RIBES:

- Asterobemisia carpini* (Homoptera)

## ROSA:

- Aleurocanthus woglumi* (Homoptera)  
*Anuraphis cardui* (Homoptera)  
*Ardis sulcata* (Hymenoptera)  
*Arge ochropus* (Hymenoptera)  
*Blennocampa pusilla* (Hymenoptera)  
*Cacocimorpha pronubana* (Lepidoptera)  
*Cladius isomerus* (Hymenoptera)  
*C. pectinicornis* (Hymenoptera)  
*Endelomyia aethiops* (Hymenoptera)  
*Frankliniella formosae* (Thysanoptera)  
*F. intonsa* (Thysanoptera)  
*F. schultzei* (Thysanoptera)  
*Jadera pyrrholoma* (Hemiptera)  
*Macrosiphum ibarae* (?) (Homoptera)  
*Rhagoletis alternata* (?) (Diptera)  
*Taeniothrips atratus* (Thysanoptera)  
*T. ericae* (Thysanoptera)  
*Thrips flavus* (Thysanoptera)  
*T. imaginis* (Thysanoptera)  
*T. major* (Thysanoptera)

## ROSACEAE:

- Liocoris tripustulatus* (Hemiptera)

## ROSMARINUS:

- Thrips angusticeps* (Thysanoptera)

## RUBUS:

- Asterobemisia carpini* (Homoptera)  
*Ceratitis rubivora* (Diptera)

## SACCHARUM:

- Chilo loftini* (Lepidoptera)  
*Dysdercus mimus* (Hemiptera)  
*Opogona sacchari* (Lepidoptera)  
*Reticulitermes flavipes* (Isoptera)  
*Zeadiatraea lineolata* (Lepidoptera)

## SALIX:

- Micrapate labialis* (Coleoptera)

## SALVIA:

- Liodontomerus papaveris* (Hymenoptera)

## SAMANEA:

- Figulus foveicollis* (Coleoptera)  
*Incisitermes repandus* (Isoptera)  
*Sinoxylon conigerum* (Coleoptera)  
*Stator limbatus* (Coleoptera)  
*Xylopsocus castanoptera* (Coleoptera)

## SCABIOSA:

- Sitona hispidula* (Coleoptera)

## SCHIZOLOBIUM:

- Treherniella tibouchinae* (Thysanoptera)

## SCHOMBURGKIA:

- Nasutitermes corniger* (Isoptera)

## SESBANIA:

- Lampides boeticus* (Lepidoptera)  
*Maruca testulalis* (Lepidoptera)

## SOIL:

- Ceciloides acicula* (Mollusca)  
*Geotomus pygmaeus* (Hemiptera)  
*Helicella pyramidata* (Mollusca)  
*Homoeogryllus japonicus* (Orthoptera)  
*Monacha olivieri* (Mollusca)  
*Myzus ascalonicus* (?) (Homoptera)  
*Opogona sacchari* (Lepidoptera)  
*Orychilus alliaris* (Mollusca)  
*Retinella hammonis* (Mollusca)  
*Taeniothrips atratus* (Thysanoptera)  
*Thrips angusticeps* (Thysanoptera)  
*Trichia hispida* (Mollusca)



*Hosts and Insects—Continued*

## SOLANUM MELONGENA:

*Hylesia euphemia* (Lepidoptera)  
*Leucinodes orbonalis* (Lepidoptera)

## SOLANUM TUBEROSUM:

*Gnorimoschema plaesiosema* (Lepidoptera)  
*Premnotrypes latithorax* (Coleoptera)  
*Taeniothrips ericae* (Thysanoptera)

## SORGHUM:

*Sesamia cretica* (Lepidoptera)

## SPARTIUM:

*Bruchidius unicolor* (Coleoptera)

## SPATHOGLOTTIS:

*Brevipalpus obovatus* (Acarina)

## SPONDIAS:

*Anastrepha mombinpraeoptans* (Diptera)  
*Chrysomphalus calurus* (Homoptera)

## STANHOPEA:

*Vinsonia stellifera* (Homoptera)

## STAPHYLEA:

*Diaprepes abbreviatus* (Coleoptera)

## STERCULIA:

*Orydema fusiforme* (Coleoptera)  
*Trogoderma granarium* (Coleoptera)

## SWIETENIA:

*Geotomus pygmaeus* (Hemiptera)  
*Lyctus africanus* (Coleoptera)  
*Sinoxylon anale* (Coleoptera)

## SYRINGA:

*Adorophyes reticulana* (Lepidoptera)

## TAMARINDUS:

*Caryedon gonagra* (Coleoptera)  
*Phelomerus aberrans* (Coleoptera)  
*Trogoderma granarium* (Coleoptera)

## TERMINALIA:

*Anastrepha mombinpraeoptans* (Diptera)  
*Ceratitis capitata* (Diptera)  
*Dacus dorsalis* (Diptera)  
*Trogoderma granarium* (Coleoptera)

## TILLANDSIA:

*Reticulitermes tibialis* (Isoptera)

## TILIA:

*Chionaspis salicis* (Homoptera)

## TRITICUM:

*Bruchidius gilvus* (Coleoptera)  
*Haplothrips aculeatus* (Thysanoptera)  
*H. tritici* (Thysanoptera)

## TULIPA:

*Merodon equestris* (Diptera)

## VANDA:

*Araecerus levipennis* (Coleoptera)  
*Bradybaena similis* (Mollusca)  
*Conoderus exsul* (Coleoptera)  
*Conotelus mexicanus* (Coleoptera)  
*Eurytoma orchidearum* (Hymenoptera)  
*Genaparlatoria pseudaspidiotus* (Homoptera)  
*Graptostethus manillensis* (Hemiptera)  
*Orchidophilus aterrimus* (Coleoptera)  
*Orydema longulum* (Coleoptera)  
*Perkinsiella saccharicida* (Homoptera)  
*Taeniothrips hawaiiensis* (Thysanoptera)  
*Xiphidiopsis lita* (Orthoptera)

## VICIA:

*Bruchus azoricus* (Coleoptera)  
*B. dentipes* (Coleoptera)  
*B. lentis* (Coleoptera)  
*B. rufipes* (Coleoptera)  
*B. rufipes luteicornis* (Coleoptera)  
*B. signaticornis* (Coleoptera)  
*B. tristiculus* (Coleoptera)  
*B. tristis* (Coleoptera)  
*Trogoderma granarium* (Coleoptera)

## VIGNA:

*Fundella pellucens* (Lepidoptera)

## VIOLA:

*Arianta arbustorum* (Mollusca)

## VITIS:

*Clysiana ambiguella* (Lepidoptera)  
*Lobesia botrana* (Lepidoptera)  
*Phlyctinus callosus* (Coleoptera)  
*Scantius forsteri* (Hemiptera)

## YUCCA:

*Erythrothrips durango* (Thysanoptera)  
*Phera centrolineata* (Homoptera)

## ZEA:

*Diaprepes farinosus* (Coleoptera)  
*Ostrinia nubilalis* (Lepidoptera)  
*Sesamia cretica* (Lepidoptera)  
*Zeadiatraea lineolata* (Lepidoptera)

## ZINGIBER:

*Mimegralla coeruleifrons* (Diptera)  
*Pentalonia nigronervosa* (Homoptera)  
*Pheidole megacephala* (Hymenoptera)  
*Pulvinaria psidii* (Homoptera)  
*"Targionia" hartii* (Homoptera)

## ZINNIA:

*Frankliniella sulphurea* (Thysanoptera)  
*Thrips flavus* (Thysanoptera)

## ZIZYPHUS:

*Ceratitis capitata* (Diptera)

*Hosts Unknown*

## AIRPLANE:

*Achaea janata* (Lepidoptera)  
*Acheta hispanicus* (Orthoptera)  
*Adoretus sinicus* (Coleoptera)  
*Aeneolamia reducta* (Homoptera)  
*Aethus indicus* (Hemiptera)  
*Agriphila latistria* (Lepidoptera)  
*Alloxacis spinosus* (Coleoptera)  
*Anastrepha mombinpraeoptans* (Diptera)  
*Araecerus levipennis* (Coleoptera)  
*Betulaphis quadrituberculatus* (Homoptera)  
*Chalciope hyppasia* (Lepidoptera)  
*Choranthus vitellius* (Lepidoptera)  
*Cyclocephala discicollis* (Coleoptera)  
*Cylas formicarius* (Coleoptera)  
*Deltocephalus maculellus* (Homoptera)  
*Diabrotica speciosa* (Coleoptera)  
*Diaprepes abbreviatus* (Coleoptera)  
*Diataraxia oleracea* (Lepidoptera)  
*Dysdercus andreae* (Hemiptera)  
*Empoasca kraemeri* (Homoptera)  
*Ericeia inangulata* (Lepidoptera)  
*Euethiola humilis* (Coleoptera)  
*Euxesta eluta* (Diptera)  
*Geniates panamensis* (Coleoptera)  
*Geocoris thoracicus* (Hemiptera)  
*Gryllus bimaculatus* (Orthoptera)  
*Helicella martima* (Mollusca)  
*Hymenia perspectalis* (Lepidoptera)  
*Hypomeces squamosus* (Coleoptera)

*Liogenys macropelma* (Coleoptera)  
*L. quadridens* (Coleoptera)  
*Lygaeus equestris* (Hemiptera)  
*L. pandurus* (Hemiptera)  
*Marasmia poegalis* (Lepidoptera)  
*Meridyrias progenies* (Lepidoptera)  
*Mniothripa lichenigera* (Lepidoptera)  
*Mumetopia nigrimana* (Diptera)  
*Oxyambulyx subtrigilis* (Lepidoptera)  
*Orycopis vittata* (Coleoptera)  
*Parnara guttata* (Lepidoptera)  
*Pentalonia nigronervosa* (Homoptera)  
*Polydesma umbricola* (Lepidoptera)  
*Prodenia litura* (Lepidoptera)  
*Sogata orizicola* (Homoptera)  
*Sphingonotus rubescens* (Orthoptera)  
*Spodoptera mauritia acronyctoides* (Lepidoptera)  
*S. pecten* (Lepidoptera)  
*Stator limbatus* (Coleoptera)  
*Sylepta balteata* (Lepidoptera)  
*Syngamia florella* (Lepidoptera)  
*Teleogryllus mitratus* (Orthoptera)  
*Theba pisana* (Mollusca)  
*Tipula scripta* (Diptera)  
*Utethesia pulchella* (Lepidoptera)  
*Zeadiatraea lineolata* (Lepidoptera)

## AQUATIC PLANT:

*Pentalonia nigronervosa* (Homoptera)



*Hosts Unknown—Continued*

## AUTOMOBILE:

*Aellopos tantalus* (Lepidoptera)  
*Cochlicella barbara* (Mollusea)  
*C. ventrosa* (Mollusea)  
*Helicella variabilis* (Mollusea)  
*Theba pisana* (Mollusea)  
*Trogorylon aequale* (Coleoptera)

## BAGGAGE:

*Adoretus sinicus* (Coleoptera)  
*Alloxaxis spinosus* (Coleoptera)  
*Arianta arbustorum* (Mollusea)  
*Bruchus ervi* (Coleoptera)  
*B. rufipes* (Coleoptera)  
*Caryedon gonagra* (Coleoptera)  
*Ceratitis capitata* (Diptera)  
*Cyane terpsichorella* (Lepidoptera)  
*Dacus dorsalis* (Diptera)  
*D. oleae* (Diptera)  
*Diocalandra taitensis* (Coleoptera)  
*Gryllus bimaculatus* (Orthoptera)  
*Helix aperta* (Mollusea)  
*H. pomatia* (Mollusea)  
*Laspeyresia splendana* (Lepidoptera)  
*Maruca testulalis* (Lepidoptera)  
*Modocoryllus conspersus* (Orthoptera)  
*Nysius coenosulus* (Hemiptera)  
*Orchidophilus aterrimus* (Coleoptera)  
*Otala vermiculata* (Mollusea)  
*Otosema odorata* (Lepidoptera)  
*Parastichtis monoglypha* (Lepidoptera)  
*Sesamia nonagriodes* (Lepidoptera)  
*Sinorylon conigerum* (Coleoptera)  
*Sybra alternans* (Coleoptera)

## BAGGING:

*Cylas formicarius elegantulus* (Coleoptera)  
*Trogoderma granarium* (Coleoptera)

## BALLAST:

*Caryedon gonagra* (Coleoptera)  
*Trogoderma granarium* (Coleoptera)

## CARGO:

*Acrida sulphuripennis* (Orthoptera)  
*Cylas formicarius elegantulus* (Coleoptera)  
*Draeculacephala clypeata* (Homoptera)  
*Gastrimargus brevipes* (Orthoptera)  
*Gryllotalpa africana* (Orthoptera)  
*Helix aspersa* (Mollusea)  
*Heterotermes convexinotatus* (Isoptera)  
*Homorocoryphus nitidulus* (Orthoptera)  
*Lyctus africanus* (Coleoptera)  
*Megalogyllus molinai* (Orthoptera)  
*Metamasius hemipterus sericeus* (Coleoptera)  
*Morphacris fasciata* (Orthoptera)  
*Nephotettix apicalis* (Homoptera)  
*Orchidophilus aterrimus* (Coleoptera)  
*Otala lactea* (Mollusea)  
*Prodenia litura* (Lepidoptera)  
*Sinorylon anale* (Coleoptera)  
*Trogoderma granarium* (Coleoptera)

## CLOTHING:

*Pheidole megacephala* (Hymenoptera)  
*Pyropotosia pryri* (Coleoptera)  
*Reticulitermes flavipes* (Isoptera)

## CONIFER:

*Hylobius abietis* (Coleoptera)

## CRATE:

*Theba pisana* (Mollusea)

## CUTTING:

*Cenopalpus pulcher* (Aearina)  
*Euphyllura olivina* (Homoptera)

## DEBRIS:

*Dictyla nassata* (Hemiptera)  
*Syntomis cyssea* (Lepidoptera)  
*Trogoderma granarium* (Coleoptera)  
*Xanthochroina bicolor* (Coleoptera)

## DUNNAGE:

*Callidium rufipenne* (Coleoptera)  
*Sitona hispidula* (Coleoptera)

## EXCELSIOR:

*Lema bilineata* (Coleoptera)

## FLOUR:

*Sitona lineata* (Coleoptera)

## FLOWERS:

*Adoretus sinicus* (Coleoptera)  
*Bradybaena similis* (Mollusea)  
*Diaprepes abbreviatus* (Coleoptera)  
*D. abbreviatus* var. (Coleoptera)

*Frankliniella formosae* (Thysanoptera)

*F. intonsa* (Thysanoptera)

*Haplothrips gowdeyi* (Thysanoptera)

*Orchidophilus aterrimus* (Coleoptera)

*Pheidole megacephala* (Hymenoptera)

*Siphanta acuta* (Homoptera)

*Spanioneura fonscolombeii* (Homoptera)

*Taeniothrips atratus* (Thysanoptera)

*Theba pisana* (Mollusea)

*Thrips angusticeps* (Thysanoptera)

*T. flavus* (Thysanoptera)

*T. major* (Thysanoptera)

*T. pillichii* (Thysanoptera)

## FOOD:

*Phaeocatantops decoratus* (Orthoptera)

*Tylotrypidius gracilipes* (Orthoptera)

## FRUIT—UNIDENTIFIED:

*Anastrepha mombinpraeoptans* (Diptera)

*Ceratitis capitata* (Diptera)

## GRAIN:

*Trogoderma granarium* (Coleoptera)

## GUM ZEDOU:

*Trogoderma granarium* (Coleoptera)

## HERB:

*Haplothrips gowdeyi* (Thysanoptera)

*Helicella maritima* (Mollusea)

*Pheidole megacephala* (Hymenoptera)

## LEAF—UNIDENTIFIED:

*Achaea janata* (Lepidoptera)

*Aleurotrachelus jenenekii* (Homoptera)

*Aspidiotus destructor* (Homoptera)

*Asterobemisia carpinii* (Homoptera)

*Crenidorsum stigmaphylli* (Homoptera)

*Vinsonia stellifera* (Homoptera)

## LEGUME:

*Bruchus rufipes* (Coleoptera)

*B. tristiculus* (Coleoptera)

*Phelomerus aberrans* (Coleoptera)

## MAIL:

*Adoretus sinicus* (Coleoptera)

*Ancylostomia stercorea* (Lepidoptera)

*Coptotermes formosanus* (Isoptera)

*Euscepes postfasciatus* (Coleoptera)

*Helix aspersa* (Mollusea)

*Pholidoforus advena* (Coleoptera)

*Polydesma umbricola* (Lepidoptera)

*Teleogryllus mitratus* (Orthoptera)

## MILITARY CARGO:

*Achatina fulica* (Mollusea)

*Bradybaena similis* (Mollusea)

*Cochlicella barbara* (Mollusea)

*C. ventrosa* (Mollusea)

*Helicella caperata* (Mollusea)

*H. conspurcata* (Mollusea)

*H. cretica* (Mollusea)

*H. derbentina* (Mollusea)

*H. itala* (Mollusea)

*H. littoralis* (?) (Mollusea)

*H. maritima* (Mollusea)

*H. protea* (Mollusea)

*H. pyramidata* (Mollusea)

*H. variabilis* (Mollusea)

*Helicina convexa* (Mollusca)

*Helix aperta* (Mollusea)

*H. aspersa* (Mollusca)

*H. figulina* (Mollusea)

*Macroglossum stellatarum* (Lepidoptera)

*Monacha cantiana* (Mollusea)

*M. carthusiana* (Mollusea)

*M. olivieri* (Mollusca)

*Nasutitermes rippertii* (Isoptera)

*Otala vermiculata* (Mollusea)

*Pieris brassicae* (Lepidoptera)

*Rumina decollata* (Mollusca)

*Theba pisana* (Mollusea)

## NURSERY STOCK:

*Ceutorhynchus erysimi* (Coleoptera)

*Haplothrips aculeatus* (Thysanoptera)

*Sitona hispidula* (Coleoptera)

*Taeniothrips atratus* (Thysanoptera)

*Thrips flavus* (Thysanoptera)

## PACKING MATERIAL:

*Trigonophora meticulosa* (Lepidoptera)

## PAPER:

*Cryptotermes brevis* (Isoptera)

*Hosts Unknown—Continued*

## PLANT—UNIDENTIFIED:

*Ceroplastes rubens* (Homoptera)  
*Miccotrogus picirostris* (Coleoptera)

## PLANT MATERIAL:

*Dialeurodes kirkaldyi* (Homoptera)  
*Lygus lineolaris* (Hemiptera)  
*Megaris laevicollis* (Hemiptera)  
*Melormenis antillarum* (Homoptera)  
*Minthea rugicollis* (Coleoptera)  
*Mormidea v-luteum* (Hemiptera)  
*Stator limbatus* (Coleoptera)  
*Theba pisana* (Mollusca)

## QUARTERS:

*Cylas formicarius elegantulus* (Coleoptera)  
*Mamestra brassicae* (Lepidoptera)  
*Melolontha melolontha* (Coleoptera)  
*Rhynchophorus palmarum* (Coleoptera)  
*Sitona hispidula* (Coleoptera)  
*Trogoderma granarium* (Coleoptera)

## RAILWAY CAR:

*Dysdercus obliquus* (Hemiptera)

## RESIDUE:

*Helicella pyramidata* (Mollusca)

## SEED—UNIDENTIFIED:

*Araecerus levipennis* (Coleoptera)  
*Ectomyelois ceratoniae* (Lepidoptera)  
*Mimosestes dominicanus* (Coleoptera)  
*Stator pruininus* (Coleoptera)

## STORES:

*Acrolepia assectella* (Lepidoptera)  
*Bruchus rufipes* (Coleoptera)  
*Caryedon gonagra* (Coleoptera)  
*Epinotia aporema* (Lepidoptera)  
*Gnorimoschema ocellatella* (Lepidoptera)  
*Helicella arizonis* (Mollusca)

*H. virgata* (Mollusca)

*Helix aperta* (Mollusca)

*H. aspersa* (Mollusca)

*Nephotettix apicalis* (Homoptera)

*Sitona cylindricollis* (Coleoptera)

*Theba pisana* (Mollusca)

*Trogoderma granarium* (Coleoptera)

## STRAW:

*Forficula aetolica* (Dermaptera)

*Kaloterms flavicollis* (Isoptera)

## VEGETABLES:

*Conotelus mexicanus* (Coleoptera)

## WOOD:

*Apate monachus* (Coleoptera)

*Callidium rufipenne* (Coleoptera)

*Cryptotermes brevis* (Isoptera)

*Dinoderus bifoveolatus* (Coleoptera)

*Heterobostrychus aequalis* (Coleoptera)

*H. brunneus* (Coleoptera)

*Heterotermes convexinotatus* (Isoptera)

*Lyctus brunneus* (Coleoptera)

*Micrapate labialis* (Coleoptera)

*M. mexicana* (?) (Coleoptera)

*Minthea rugicollis* (Coleoptera)

*Nasutitermes corniger* (Isoptera)

*Sinoxylon anale* (Coleoptera)

*S. conigerum* (Coleoptera)

*Trogoxylon aequale* (Coleoptera)

*T. prostomoides* (Coleoptera)

*Xyloperthella crinitarsis* (Coleoptera)

*X. picea* (Coleoptera)

*Xyloperthodes nitidipennis* (?) (Coleoptera)

*Xylothrips religiosus* (Coleoptera)



## Countries of Origin and Insects

## AFRICA (country(?)):

*Ceratitis capitata*  
*Dinoderus bifoveolatus*  
*Frankliniella schultzei*  
*Minthea rugicollis*

## ALGERIA:

*Hydroecia xanthenes*  
*Parlatoria zizyphus*

## AMERICAN SAMOA:

*Chaetanaphothrips orchidii*  
*Dinoderus borneanus(?)*  
*Geotomus pygmaeus*  
*Pentalonia nigronervosa*

## AMERICAN VIRGIN ISLANDS:

*Trogorylon aequale*

## ANGOLA:

*Xyloperthella picea*

## ANTIGUA:

*Cylas formicarius elegantulus*  
*Diaprepes farinosus*  
*Vinsonia stellifera*

## ARGENTINA:

*Ceratitis capitata*  
*Taeniothrips picipes*

## ARUBA:

*Fundella pellucens*

## AUSTRALIA:

*Aonidiella citrina*  
*Betulaphis quadrituberculatus*  
*Ceroplastes rubens*  
*Cylas formicarius*  
*Frankliniella schultzei*  
*Haplothrips gowdeyi*  
*Helix aspersa*  
*Lepidosaphes tuberculata*  
*Lyctus brunneus*  
*Ovatus crataegarius*  
*Pheidole megacephala*  
*Thrips imaginis*  
*Unaspis yanonensis*

## AUSTRALIA(?):

*Ceratitis capitata(?)*

## AUSTRIA:

*Ardis sulcata*  
*Bruchidius villosus*  
*Giraudiella inclusa*  
*Laspeyresia splendana*  
*Plemeliella abietina*

## AZORES:

*Bruchus rufipes*  
*B. tristiculus*  
*Ceratitis capitata*  
*Cerodontha denticornis*  
*Cochicella ventrosa*  
*Helix aperta*  
*H. aspersa*  
*Laspeyresia splendana*  
*Pieris brassicae*  
*Rhagoletis cerasi*  
*Theba pisana*

## BAHAMAS:

*Ancylostomia stercorea*  
*Ips calligraphus*  
*Nasutitermes rippertii*  
*Vinsonia stellifera*  
*Zeadiatraea lineolata*

## BARBADOS:

*Ancylostomia stercorea*  
*Fundella pellucens*  
*Pectinophora gossypiella*

## BELGIUM:

*Adoxophyes reticulana*  
*Anthonomus rectirostris*  
*Bruchidius villosus*  
*Euleia heraclei(?)*  
*Evergestis forficalis*  
*Frankliniella intonsa*  
*Mamestra brassicae*  
*Phytomyza rufipes*  
*Taeniothrips atratus*  
*T. dianthi*

## BERMUDA:

*Bradybaena similis*  
*Helicina convexa*  
*Otala vermiculata*  
*Selenothrips rubrocinctus*

## BERMUDA(?):

*Ceratitis capitata(?)*

## BOLIVIA:

*Premnotrypes latithorax*

## BRAZIL:

*Acanthoscelides bixae*  
*Aganactesis indecora*  
*Amblycerus reticulatus*  
*Anastrepha fraterculus(?)*  
*A. mombinpraeoptans*  
*Brevipalpus obovatus*  
*Ceratitis capitata*  
*Chrysomphalus personatus*  
*C. umboniferus*  
*Ectomyelois ceratoniae*  
*Euetheola humilis*  
*Eurytoma orchidearum*  
*Euscepes postfasciatus*  
*Megaris laevicollis*  
*Mormidea v-luteum*  
*Nasutitermes corniger*  
*Pallantia macula*  
*Parlatoria cinerea*  
*Pectinophora gossypiella*  
*Phelomerus aberrans*  
*Platynota rostrana*  
*Prodecatoma philodendri*  
*Pseudococcus gahani*  
*Stephanoderes hampei*  
*Taeniothrips atratus*  
*Tenthecoris exitiosus*  
*Treherniella tibouchinae*  
*Unaspis citri*

## BRITISH GUIANA:

*Caryedon gonagra*  
*Euscepes postfasciatus*  
*Fundella pellucens*

## BRITISH HONDURAS:

*Gnorimoschema gudmannella*  
*Nasutitermes corniger*  
*N. ephratae*  
*N. nigriceps*  
*Pheidole megacephala*  
*Pseudischnaspis alienus*  
*Stenomoma catenifer*  
*Vinsonia stellifera*

## BRITISH VIRGIN ISLANDS:

*Choranthus vitellius*

## BRITISH WEST INDIES (island(?)):

*Deltocephalus maculellus*

## BURMA:

*Bruchidius caeruleus*

## CANADA:

*Miccotrogus picirostris*  
*Sitona lineata*

## CANAL ZONE:

*Acanthoscelides armitagei*  
*Ancylostomia stercorea*  
*Chrysomphalus albopictus*  
*Cosmopolites sordidus*  
*Pheidole megacephala*  
*Vilga dissimilis*  
*Vinsonia stellifera*

## CANARY ISLANDS:

*Ceratitis capitata(?)*

## CAPE VERDE ISLANDS:

*Cryptoblabes gnidiella*

## CEYLON:

*Eurytoma orchidearum*  
*Sinoxylon conigerum*  
*Trogoderma granarium*  
*Xylothrips religiosus*

## CHILE:

*Epinotia aporema*  
*Gnorimoschema plaesiosema*  
*Lema bilineata*  
*Naupactus xanthographus*

## CHINA:

*Chalciope hyppasia*  
*Cryptotermes brevis*  
*Dialeurodes kirkaldyi*  
*Parlatoria zizyphus*  
*Spodoptera mauritia acronyctoides*  
*Unaspis yanonensis*

## Countries of Origin and Insects—Continued

## COLOMBIA:

*Aleurodicus trinidadensis*  
*Epinotia aporema*  
*Eurytoma orchidearum*  
*Gnorimoschema gudmannella*  
*Heterotermes convexinotatus*  
*Limax marginatus*  
*Megalogyllus molinai*  
*Milax gagates*  
*Minthea squamigera*  
*Stenoma catenifer*

## COSTA RICA:

*Aleurocanthus woglumi*  
*Anastrepha mombinpraeoptans*  
*Aspidiotus destructor*  
*Bephrata maculicollis*  
*Ceratitis capitata*  
*Chrysomphalus albopictus*  
*Conotrachelus perseae*  
*Diaphania quadrastigmatis*  
*Limax marginatus*  
*Metamasius hemipterus sericeus*  
*Stenoma catenifer*

## CRETE:

*Cochlicella barbara*  
*Helicella cretica*  
*Helix aspersa*  
*Otala vermiculata*  
*Theba pisana*

## CUBA:

*Anastrepha mombinpraeoptans*  
*Cylas formicarius elegantulus*  
*Nasutitermes rippertii*  
*Syngamia florella*

## CURACAO:

*Caryedon gonagra*

## CYPRUS:

*Bruchus lentis*  
*Ceratitis capitata*  
*Haplothrips cotei*

## CZECHOSLOVAKIA:

*Bruchus rufipes*  
*Frankliniella intonsa*  
*Rhagoletis alternata(?)*  
*Taeniothrips atratus*  
*Thrips flavus*

## DENMARK:

*Cladius pectinicornis*  
*Endelomyia aethiops*  
*Gelechia ericetella*  
*Helicella candidula*  
*Mamestra brassicae*  
*Phytomyza rufipes*  
*Ptemeliella abietina*  
*Taeniothrips atratus*  
*Thrips flavus*  
*T. major*  
*Ulopa reticulata*

## DOMINICA:

*Anastrepha mombinpraeoptans*  
*Vinsonia stellifera*

## DOMINICAN REPUBLIC:

*Aganactesis indecora*  
*Alloxaxis spinosus*  
*Anastrepha mombinpraeoptans*  
*A. ocesia*  
*A. suspensa*  
*Ancylostomia stercorea*  
*Crenidorsum stigmaphylli*  
*Cylas formicarius elegantulus*  
*Dialeurodes citrifolii*  
*Dysdercus andreae*  
*Frankliniella sulphurea*  
*Maruca testulalis*  
*Meridyrias progenies*  
*Mimosestes dominicanus*  
*Pectinophora gossypiella*  
*Pheidole megacephala*  
*Sphenarches caffer*  
*Talponia batesi*  
*Vinsonia stellifera*

## ECUADOR:

*Aleurocanthus woglumi*  
*Anastrepha mombinpraeoptans*  
*Aspidiotus destructor*  
*Coccus viridis*

*Draeculacephala clypeata*  
*Eucalendra setulosa*  
*Metamasius hemipterus sericeus*  
*Platoeceticus symmicta*  
*Porphyrobaphe iostoma*  
*Prepiella aurea*  
*Pseudoparlatoria serrulata*  
*Solaropsis monile*  
*Stenoma catenifer*  
*Unaspis citri*

## EL SALVADOR:

*Anastrepha mombinpraeoptans*  
*A. striata*  
*Aulacaspis tubercularis*  
*Miogryllus convolutus*  
*Protopulvinaria pyriformis*  
*Stenoma catenifer*  
*Vinsonia stellifera*

## ENGLAND:

*Blennocampa pusilla*  
*Bruchidius villosus*  
*Bruchus rufipes*  
*Cladius pectinicornis*  
*Dialeurodes chittendeni*  
*Eriophyes canestrinii*  
*Euleia heraclei(?)*  
*Frankliniella intonsa*  
*Gelechia ericetella*  
*Gracilaria azaleella*  
*Helicella caperata*  
*Lygus rugulipennis*  
*Merodon equestris*  
*Milax gagates*  
*Pealius azaleae*  
*Pectinophora malvella*  
*Phytomyza rufipes*  
*Sitona hispidula*  
*Spanioneura fonscolombei*  
*Steneotarsonemus laticeps*  
*Taeniothrips atratus*  
*T. ericae*  
*Thrips angusticeps*  
*T. flavus*  
*T. major*  
*T. pillichii*  
*Tipula paludosa*  
*Trogoderma granarium*

## ENIWETOK:

*Furcaspis oceanica*

## ETHIOPIA:

*Ceratitis rubivora*  
*Dacus oleae*

## EUROPE (country(?)):

*Ceratitis capitata*  
*Dacus oleae*  
*Frankliniella intonsa*  
*Limothrips denticornis*  
*Rhagoletis cerasi*  
*Taeniothrips atratus*  
*T. dianthi*  
*Thrips angusticeps*  
*T. flavus*

## FEDERATION OF MALAYSIA:

*Aspidiotus palmae*  
*Callosobruchus analis*  
*Trogoderma granarium*

## FEDERATION OF MALAYSIA(?):

*Leucinodes orbonalis*

## FEDERATION OF RHODESIA AND NYASALAND:

*Ceratitis capitata*

## FIJI:

*Achaea janata*  
*Figulus foveicollis*  
*Incisitermes repandus*  
*Pheidole megacephala*  
*"Targionia" hartii*  
*Unaspis yanonensis*  
*Xylopsocus castanoptera*

## FINLAND:

*Ardis sulcata*  
*Frankliniella intonsa*  
*Thrips flavus*  
*T. major*

## FORMOSA:

*Achatina fulica*



## Countries of Origin and Insects—Continued

## FORMOSA—Continued

*Brevipalpus obovatus*  
*Parlatoria zizyphus*  
*Stephanoderes hampei*  
*Trogoderma granarium*

## FRANCE:

*Acrolepia assectella*  
*Anuraphis cardui*  
*Asterobemisia carpinii*  
*Bibio hortulanus*  
*Bruchus ervi*  
*B. lentis*  
*B. rufipes*  
*B. tristiculus*  
*B. viciae*  
*Ceratitis capitata*  
*Cochlicella barbara*  
*Curculio elephas*  
*Dacus oleae*  
*Euleia heraclei*  
*Evergestis forficulis*  
*Frankliniella intonsa*  
*Geomyza tripunctata*  
*Gortyna flavago*  
*Gracilaria azaleella*  
*Helicella caperata*  
*H. maritima*  
*H. variabilis*  
*Helix aspersa*  
*Hellula undalis*  
*Laspeyresia splendana*  
*Liocoris tripustulatus*  
*Mamestra brassicae*  
*Milax gagates*  
*Monacha cantiana*  
*M. carthusiana*  
*Myzus ascalonicus(?)*  
*Periphyllus aceris*  
*Phytomyza rufipes*  
*Pieris brassicae*  
*Rhagoletis cerasi*  
*Theba pisana*  
*Thrips angusticeps*  
*T. flavus*  
*Trogoderma granarium*  
*Udea ferrugalis*

## FRANCE(?):

*Agriphila latistria*

## FRENCH GUIANA:

*Vinsonia stellifera*

## GERMANY:

*Aceria rudis*  
*Acrolepia assectella*  
*Adoxophyes reticulana*  
*Anuraphis cardui*  
*Ardis sulcata*  
*Arge ochropus*  
*Arianta arbustorum*  
*Blastodacna atra*  
*Bruchidius villosus*  
*Bruchus ervi*  
*B. lentis*  
*B. rufipes*  
*Chionaspis salicis*  
*Cladius pectinicornis*  
*Forficula pubescens*  
*Frankliniella intonsa*  
*Gelechia ericetella*  
*Haplothrips aculeatus*  
*Helicella pyramidata*  
*Helix pomatia*  
*Neuroterus tricolor*  
*Phytomyza rufipes*  
*Retinella hammonis*  
*Rhagoletis cerasi*  
*Taeniothrips atratus*  
*T. dianthi*  
*T. ericae*  
*Thrips flavus*  
*T. major*  
*Tipula scripta*  
*Trogoderma granarium*  
*Ulopa reticulata*

## GHANA:

*Acrosternum heegeri*  
*Leucinodes orbonalis*

"*Targionia*" *hartii*

## GREECE:

*Acanthoscelides spinipes*  
*Bruchus dentipes*  
*B. ervi*  
*B. lentis*  
*B. signaticornis*  
*B. tristiculus*  
*B. tristis*  
*B. ulicis*  
*Ceratitis capitata*  
*Cochlicella barbara*  
*Cryptoblabes gnidiella*  
*Curculio elephas*  
*Dacus oleae*  
*Ectomyelois ceratoniae*  
*Euphyllura olivina*  
*Helicella cretica*  
*H. littoralis(?)*  
*H. maritima*  
*H. variabilis*  
*Laspeyresia splendana*  
*Liodontomerus papaveris*  
*Lyctus africanus*  
*Monacha olivieri*  
*Monosteira unicostata*  
*Otala vermiculata*  
*Orycaenus hyalinipennis*  
*Parlatoria zizyphus*  
*Prays oleellus*  
*Schneidereria pistaciella*  
*Sesamia cretica*  
*Thrips angusticeps*  
*T. major*  
*Udea ferrugalis*

## GRENADA:

*Ancylostomia stercorea*  
*Pectinophora gossypiella*

## GUAM:

*Adoretus sinicus*  
*Araecerus cumingi*  
*Aspidiotus palmae*  
*Caryedon gonagra*  
*Pentalonia nigronervosa*  
*Spodoptera mauritia acronyctoides*

## GUATEMALA:

*Anastrepha mombinpraeoptans*  
*Aulacaspis tubercularis*  
*Chrysomphalus albopictus*  
*Diorymerellus laevimargo*  
*Fulvius anthocorides*  
*Gnorimoschema gudmannella*  
*Iridomyrmex iniquus*  
*Limar marginatus*  
*Metamasius hemipterus hemipterus*  
*M. hemipterus sericeus*  
*Myrmecophila americana*  
*Pentalonia nigronervosa*  
*Pseudischnaspis longissima*  
*Pseudoparlatoria serrulata*  
*Stenomoma catenifer*  
*Unaspis citri*  
*Vinsonia stellifera*  
*Zediatraea lineolata*

## HAITI:

*Anastrepha mombinpraeoptans*  
*Ancylostomia stercorea*  
*Cryptotermes brevis*  
*Cylas formicarius elegantulus*  
*Diaprepes abbreviatus*  
*D. abbreviatus* var.  
*Haplothrips gowdeyi*  
*Helix aspersa*  
*Jadera pyrrholoma*  
*Parlatoria zizyphus*  
*Pectinophora gossypiella*  
*Pheidole megacephala*  
*Trogorylon aequale*  
*Vinsonia stellifera*

## HAWAII:

*Achaea janata*  
*Adoretus sinicus*  
*Araecerus levipennis*  
*Aspidiotus herculeanus*  
*Asterolecanium bambusae*  
*Bradybaena similis*

## Countries of Origin and Insects—Continued

## HAWAII—Continued

*Caryedon gonagra*  
*Ceratitis capitata*  
*Ceroplastes rubens*  
*Coccus viridis*  
*Conoderus exsul*  
*Conotelus mexicanus*  
*Coptotermes formosanus*  
*Cryptophlebia illepidia*  
*C. ombrodelta*  
*Cryptotermes brevis*  
*Cyane terpsichorella*  
*Dacus cucurbitae*  
*D. dorsalis*  
*Dialeurodes kirkaldyi*  
*Diocalandra taitensis*  
*Ectomyelois ceratoniae*  
*Euscepes postfasciatus*  
*Graptostethus manillensis*  
*Lampides boeticus*  
*Lepidosaphes tokionis*  
*Limax marginatus*  
*Maruca testulalis*  
*Modocoryllus conspersus*  
*Nysius coenosulus*  
*Orchidophilus aterrimus*  
*Orychilus alliaris*  
*Oxydema fusiforme*  
*Pectinophora gossypiella*  
*Pentalonia nigronervosa*  
*Perkinsiella saccharicida*  
*Pheidole megacephala*  
*Pholidoforus advena*  
*Pinnaspis buxi*  
*Polydesma umbricola*  
*Polytus mellerborgii*  
*Prays fulvocanellus*  
*Pseudaonidia claviger*  
*Pseudococcus gahani*  
*P. neobrevipes*  
*P. oceanicus*  
*P. palmarum*  
*Pulvinaria psidii*  
*Selenothrips rubrocinctus*  
*Sinoxylon conigerum*  
*Siphanta acuta*  
*Stator limbatus*  
*S. pruininus*  
*Sternochetus mangiferae*  
*Sybra alternans*  
*Taeniothrips hawaiiensis*  
*Xiphidiopsis lita*  
*Xylothrips religiosus*

## HONDURAS:

*Aleuroplatus variegatus*  
*Cerconota anonella*  
*Lamellaxis micra*  
*Lygaeus pulchellus*  
*Metamasius hemipterus sericeus*  
*Pheidole megacephala*  
*Stenoma catenifer*  
*Zamagiria dixolophella*

## HONG KONG:

*Cylas formicarius* var.  
*C. formicarius formicarius*  
*Homoeogryllus japonicus*  
*Lyctus africanus*  
*Parlatoria zizyphus*  
*Trogoderma granarium*  
*Unaspis yanonensis*

## HONG KONG(?):

*Minthea rugicollis*

## HUNGARY:

*Ardis sulcata*  
*Clysiana ambiguella*  
*Frankliniella intonsa*  
*Taeniothrips atratus*  
*T. dianthi*  
*T. ericae*  
*Tetranychus viennensis*

## ICELAND:

*Thrips flavus*  
*T. major*

## INDIA:

*Caryedon gonagra*  
*Dacus dorsalis*(?)

*Dinoderus bifoveolatus*  
*Heterobostrychus aequalis*  
*Nephotettix apicalis*  
*Parlatoria zizyphus*  
*Sinoxylon anale*  
*S. conigerum*  
*Sternochetus mangiferae*  
*Suidasia medanensis*  
*Syntomis cysea*  
*Trogoderma granarium*

## INDONESIA:

*Coccus viridis*  
*Genaparlatoria pseudaspidiotus*

## IRAN:

*Bruchus dentipes*  
*Trogoderma granarium*

## IRELAND:

*Gelechia ericetella*  
*Orychilus alliaris*  
*Retinella hammonis*  
*Steneotarsonemus laticeps*  
*Taeniothrips atratus*  
*T. ericae*  
*Thrips flavus*  
*T. major*  
*Trichia hispida*

## ISRAEL:

*Aploneura lentisci*  
*Bruchus tristiculus*  
*Cecilioides acicula*  
*Ceratitis capitata*  
*Cladius pectinicornis*  
*Dacus oleae*  
*Forficula aetolica*  
*Frankliniella tenuicornis*  
*Orycaenus hyalinipennis*  
*Parlatoria cinerea*  
*Prodenia litura*  
*Rhagoletis cerasi*  
*Taeniothrips discolor*  
*Thrips flavus*  
*T. major*

## ITALY:

*Acanthoscelides spinipes*  
*Acrolepia assectella*  
*Aleurotrachelus jelenekii*  
*Anuraphis cardui*  
*Aspidiotus putearis*  
*Brachycerus albidentatus*  
*B. algirus*  
*Bruchidius debilis*  
*B. gilvus*  
*B. incarnatus*  
*B. meleagrinus*  
*B. unicolor*  
*B. villosus*  
*Bruchus dentipes*  
*B. ervi*  
*B. lentis*  
*B. rufipes*  
*B. rufipes luteicornis*  
*B. signaticornis*  
*B. tristiculus*  
*B. tristis*  
*Cacoecimorpha pronubana*  
*Cenopalpus pulcher*  
*Ceratitis capitata*  
*Cochlicella ventrosa*  
*Cryptoblabes gnidiella*  
*Curculio elephas*  
*C. nucum*  
*Dacus oleae*  
*Depressaria erinaceella*  
*Dyspessa ulula*  
*Ectomyelois ceratoniae*  
*Euleia heraclei*(?)  
*Eupelax cuspidata*  
*Forficula decipiens*  
*Frankliniella intonsa*  
*Gnorimoschema ocellatella*  
*Helicella pyramidata*  
*H. variabilis*  
*Helix aperta*  
*Hylobius abietis*  
*Lampides boeticus*



## Countries of Origin and Insects—Continued

## ITALY—Continued

*Laspeyresia splendana*  
*Limax marginatus*  
*Lobesia botrana*  
*Mamestra brassicae*  
*Megastigmus pistaciae*  
*Milax gagates*  
*Opogona sacchari*  
*Ostrinia nubilalis*  
*Otala lactea*  
*O. vermiculata*  
*Ovatus crataegarius*  
*Parlatoria zizyphus*  
*Pentodon punctatus*  
*Phalonia zephyrana*  
*Pieris brassicae*  
*Prays oleellus*  
*Pseudopachymerus lallemandi*  
*Retinella hammonis*  
*Rhagoletis cerasi*  
*Rhopalosiphoninus tulipae*  
*Schneidereria pistaciella*  
*Sesamia cretica*  
*Sitona humeralis*  
*Sterrha inquinata*  
*Theba pisana*  
*Thrips angusticeps*  
*Udea ferrugalis*

## IVORY COAST:

*Dacus cucurbitae*

## JAMAICA:

*Aleurocanthus woglumi*  
*Alloxacis spinosus*  
*Anastrepha mombinpraeoptans*  
*Ancylostomia stercorea*  
*Chrysomphalus odontoglossus*  
*Dialeurodes citrifolii*  
*Euscepes postfasciatus*  
*Haplothrips gowdeyi*  
*Helicina neritella*  
*Heterotermes convexinotatus*  
*Limax marginatus*  
*Palaeopus costicollis*  
*Pectinophora gossypiella*  
*Sennius probus(?)*  
*Vinsonia stellifera*

## JAPAN:

*Aleurotuberculatus aucubae*  
*Amatissa consorta*  
*Aonidiella citrina*  
*A. inornata*  
*Aspidiotus diffinis*  
*Brevipalpus obovatus*  
*Bryobia ehari*  
*Callidium rufipenne*  
*Carpocapsa niponensis*  
*Ceroplastes ceriferus*  
*Chilo suppressalis*  
*Chlorophorus annularis*  
*Cylas formicarius formicarius*  
*Dichocrocis punctiferalis*  
*Euproctis similis*  
*Frankliniella formosae*  
*Geotomus pygmaeus*  
*Gryllotalpa africana*  
*Haplothrips gowdeyi*  
*Holochlora japonica*  
*Hypomeces squamosus*  
*Lampides boeticus*  
*Lepidosaphes conchiformis*  
*L. pini*  
*Maruca testulalis*  
*Matsumuraesia phaseoli*  
*Myocalandra elongata*  
*Oligonychus perditus*  
*Ostrinia nubilalis*  
*Parlatoria zizyphus*  
*Parnara guttata*  
*Pentamerismus oregonensis*  
*Pheidole megacephala*  
*Polydesma umbricola*  
*Rhopalosiphum rufiabdominalis(?)*  
*Spodoptera pecten*  
*Taeniothrips eucharrii*

*"Targionia" hartii*  
*Teleogryllus mitratus*  
*Tetranychus viennensis*  
*Thrips nigropilosus*  
*Trogoderma granarium*  
*Unaspis citri*  
*U. yanonensis*

## JAPAN(?):

*Ericeia inangulata*

## JORDAN:

*Ceratitis capitata*  
*Eurytoma amygdali*

## KENYA:

*Acrida sulphuripennis*  
*Cylas puncticollis*  
*Gastrimargus brevipes*  
*Homorocoryphus nitidulus*  
*Morphacris fasciata*

## KENYA(?):

*Trogoderma granarium*

## KOREA:

*Trogoderma granarium*

## KUWAIT:

*Trogoderma granarium*

## KWAJALEIN:

*Furcaspis oceanica*  
*Lepidosaphes esakii*

## LEBANON:

*Bruchus ervi*  
*B. lentis*  
*Ceratitis capitata*  
*Dacus oleae*  
*Trogoderma granarium*

## LIBERIA:

*Ceratitis capitata*  
*Cylas puncticollis*  
*Pectinophora gossypiella*

## LIBYA:

*Cochlicella barbara*  
*C. ventrosa*  
*Helicella pyramidata*  
*Theba pisana*

## MACAO:

*Minthea rugicollis*

## MADAGASCAR:

*Pheidole megacephala*  
*Ulopa hovana*

## MALTA:

*Ceratitis capitata*  
*Parlatoria zizyphus*

## MEXICO:

*Aceria tulipae*  
*Aellopos tantalus*  
*Aleurocanthus woglumi*  
*Aleuroparadoxus gardeniae*  
*Aleuroplatus variegatus*  
*Anastrepha ludens*  
*A. mombinpraeoptans*  
*Anechura vara*  
*Anthonomus albolineatus*  
*Arphnus melanotylus*  
*Aspidiotus destructor*  
*A. diffinis*  
*A. excisus*  
*Asterolecanium bambusae*  
*A. epidendri*  
*Batrachedra linaria*  
*Bruchus ervi*  
*Calyptocephala gerstaeckeri*  
*Caryedon gonagra*  
*Carystoides basochei replana*  
*C. lebbaeus*  
*Chaetanaphothrips orchidii*  
*Chilo loftini*  
*Chrysomphalus albopictus*  
*C. odontoglossus*  
*C. personatus*  
*Cladius isomerus*  
*Coelonertus nigrirostris*  
*Conotelus mexicanus*  
*Conotrachelus aguacatae*  
*Cryphula apicata*  
*Cylas formicarius elegantulus*  
*Cylindrocopturus tetralobus(?)*

## Countries of Origin and Insects—Continued

## MEXICO—Continued

*Diorymerellus laevimargo*  
*Drymaeus hegewischi*  
*Dysdercus mimus*  
*D. obliquus*  
*Eriopyga fea*  
*Erythrothrips durango*  
*Ethelema sobrina*  
*Eumaeus debora*  
*Everes comyntas*  
*Exptochiomera formosa*  
*Galgupha punctifer*  
*Gnorimoschema gudmannella*  
*Haplothrips clarisetis(?)*  
*Helix aspersa*  
*Hylesia euphemia*  
*Iridomyrmex iniquus*  
*Labia arcuata*  
*Lepidosaphes philococcus*  
*Ligyrocoris nitidiocollis*  
*Loxostege bifidulis*  
*Lygaeus pulchellus*  
*Lygus lineolaris*  
*Melanaspis squamae*  
*Micrapate labialis*  
*M. mexicana(?)*  
*Neoleucinodes elegantalis*  
*Otosema odorata*  
*Ovatus crataegarius*  
*Paracosmia tolteca*  
*Parisoschoenus expositus*  
*P. flavolimbatus*  
*Parlatoria cinerea*  
*Pectinophora gossypiella*  
*Phelomerus aberrans*  
*Phelypera distigma*  
*Phera centrolineata*  
*Praticolella berlandieriana*  
*Pseudacysta perseae*  
*Pseudischnaspis bowreyi(?)*  
*P. longissima*  
*Reticulitermes flavipes*  
*R. tibialis*  
*Rhinostomus barbirostris*  
*Rhynchophorus palmarum*  
*Sisamnes contractus*  
*Spanogonicus albofasciatus*  
*Stator limbatus*  
*Stenoma catenifer*  
*Talponia batesi*  
*Teleonemia proluxa*  
*Tetranychus cinnabarinus*  
*Trialeurodes similis*  
*T. vitrinellus*  
*Trochuda raspa(?)*  
*Trogoxylon aequale*  
*T. prostomoides*  
*Unaspis citri*  
*Xanthochroina bicolor*

## MOROCCO:

*Acheta hispanicus*  
*Bruchus lentis*  
*Ceratitis capitata*  
*Cochlicella barbara*  
*C. ventrosa*  
*Dictyla nassata*  
*Gryllus bimaculatus*  
*Helicella conspurcata*  
*H. maritima*  
*Lygaeus equestris*  
*L. pandurus*  
*Parlatoria zizyphus*  
*Pieris brassicae*  
*Rumina decollata*  
*Sphingonotus rubescens*  
*Theba pisana*

## MOZAMBIQUE:

*Phaeocatantops decoratus*  
*Tylotropidius gracilipes*

## NETHERLANDS:

*Acrolepia assectella*  
*Adoxophyes reticulana*  
*Ardis sulcata*  
*Arianta arbustorum*  
*Aspidiotus palmae*

*Bruchus lentis*  
*B. viciae*  
*Cecilioides acicula*  
*Ceutorhynchus erysimi*  
*Chrysomphalus personatus*  
*Dactynotus sonchi*  
*Dialeurodes chittendeni*  
*Evergestis forficulis*  
*Haplothrips aculeatus*  
*Helicella candidula*  
*H. elegans*  
*H. trochoides*  
*Helix aspersa*  
*Mamestra brassicae*  
*Merodon equestris*  
*Milax gagates*  
*Sitona hispidula*  
*S. lineata*  
*Subulina octona*  
*Taeniothrips atratus*  
*Theba pisana*  
*Thrips flavus*  
*Trigonophora meticulosa*  
*Trogoderma granarium*

## NETHERLANDS(?):

*Lepidosaphes tubulorum*

## NEVIS:

*Arcylostomia stercorea*

## NEW GUINEA:

*Aspidiotus palmae*

## NEW ZEALAND:

*Austrotortrix postvittana (?)*  
*Tortrix excessana*

## NICARAGUA:

*Aleurocanthus woglumi*  
*Anastrepha mombinpraeoptans*  
*A. striata*  
*Aulacaspis tubercularis*  
*Chrysomphalus calurus*  
*Mumetopia nigrimana*  
*Sogata orizicola*  
*Stenoma catenifer*  
*Unaspis citri*  
*Zeadiatraea lineolata*

## NIGERIA:

*Ceratitis colae(?)*  
*Cylas puncticollis*  
*Lyctus brunneus*  
*Pheidole megacephala*

## NORWAY:

*Argyroplote lacunana*  
*Gelechia ericetella*  
*Parthenothrips dracaenae*  
*Taeniothrips atratus*  
*T. ericae*  
*Thrips flavus*

## OKINAWA:

*Parlatoria zizyphus*

## OKINAWA(?):

*Spodoptera mauritia acronyctoides*

## PAKISTAN:

*Heterobostrychus aequalis*  
*Oxycarenus hyalinipennis*  
*Pectinophora gossypiella*  
*Sinoxylon anale*  
*Trogoderma granarium*

## PALMYRA ISLAND:

*Selenothrips rubrocinctus*

## PANAMA:

*Acanthoscelides armitagei*  
*Anastrepha ludens*  
*A. mombinpraeoptans*  
*Ancylostomia stercorea*  
*Aspidiotus destructor*  
*Asterolecanium bambusae*  
*Cerconota anonella*  
*Cosmopolites sordidus*  
*Cyclocephala discicollis*  
*Euscepes postfasciatus*  
*Fundella pellucens*  
*Geniotes panamensis*  
*Liogenys macropelma*  
*L. quadridens*  
*Maruca testulalis*  
*Nasutitermes ephratae*



## Countries of Origin and Insects—Continued

## PANAMA—Continued

*Stenoma catenifer*  
*Unaspis citri*  
*Vinsonia stellifera*

## PANAMA(?):

*Aeneolamia reducta*

## PERU:

*Acanthoscelides armitagei*  
*Aleurodicus iridescens*  
*Ceratitis capitata*  
*Epinotia aporema*  
*Mescinia peruella*  
*Nasutitermes chaguimayensis*  
*Pentalonia nigronervosa*  
*Stenoma catenifer*  
*Subulina octona*

## PHILIPPINES:

*Aleurotuberculatus jasmini*  
*Aspidiotus destructor*  
*Aulacaspis tubercularis*  
*Caryedon gonagra*  
*Chilo suppressalis*  
*Chrysomphalus tingi*  
*Cylas formicarius formicarius*  
*Dacus cucurbitae*  
*D. dorsalis*  
*Dialeurodes kirkaldyi*  
*Heterobostrychus aequalis*  
*Mimegralla coeruleifrons*  
*Mniothripa lichenigera*  
*Opeas pyrgula*  
*Oxyambulyx substrigilis*  
*Parlatoria citri*  
*P. zizyphus*  
*Pheidole megacephala*  
*Prodenia litura*  
*Pseudococcus lilacinus*  
*P. neobrevipes*  
*Suidasia medanensis*  
*Unaspis yanonensis*

## POLAND:

*Blastodacna atra*  
*Frankliniella intonsa*  
*Haplothrips aculeatus*  
*Pexicopia malvella*  
*Rhagoletis cerasi*  
*Taeniothrips atratus*  
*T. dianthi*  
*T. ericae*  
*Thrips flavus*

## PORTUGAL:

*Aphidura pujoli*  
*Bruchus azoricus*  
*B. emarginatus*  
*B. lentis*  
*B. rufipes luteicornis*  
*B. tristiculus*  
*Ceratitis capitata*  
*Cochlicella ventrosa*  
*Cryptoblabes gnidiella*  
*Curculio elephas*  
*Helix aspersa*  
*Laspeyresia splendana*  
*Opogona sacchari*  
*Ovatus crataegarius*  
*Rhagoletis cerasi*  
*Sesamia nonagriodes*  
*Theba pisana*  
*Udea ferrugalis*

## PUERTO RICO:

*Aceria plucheae*  
*Anastrepha mombinpraeoptans*  
*A. suspensa*  
*Ancylostomia stercorea*  
*Cylas formicarius elegantulus*  
*Diaprepes abbreviatus*  
*Empoasca kraemeri*  
*Euscepes postfasciatus*  
*Euxesta eluta*  
*Geocoris thoracicus*  
*Haplothrips gowdeyi*  
*Maruca testulalis*  
*Metamasius hemipterus hemipterus*  
*Pheidole megacephala*  
*Platynota rostrana*

*Sphenarches caffer*

*Vinsonia stellifera*

## REPUBLIC OF SOUTH AFRICA:

*Antliarhinus zamiae*  
*Aspidiotus capensis* (tentative)  
*Ceratitis capitata*  
*Dacus oleae*  
*Haplothrips gowdeyi*  
*Phlyctinus callosus*  
*Pseudothrips glaucus*  
*Scantius forsteri*  
*Stephanoderes hampei*  
*Theba pisana*

## REPUBLIC OF THE CONGO:

*Apate monachus*  
*Bruchidius unicolor* (?)  
*Heterobostrychus brunneus*  
*Minthea rugicollis*  
*Xyloperthella crinitarsis*  
*X. picea*

## ST. KITTS:

*Anastrepha mombinpraeoptans*  
*Choranthus vitellius*  
*Deltoccephalus maculellus*

## ST. MARTIN:

*Anastrepha mombinpraeoptans*  
*Pheidole megacephala*

## SCOTLAND:

*Cladius pectinicornis*  
*Gelechia ericetella*  
*Taeniothrips atratus*  
*T. ericae*  
*Thrips flavus*

## SENEGAL:

*Caryedon gonagra*  
*Ceratitis capitata*  
*Hellula undalis*  
*Leucinodes orbonalis*  
*Maruca testulalis*

## SEYCHELLES:

*Trogoderma granarium*

## SIERRA LEONE:

*Cylas puncticollis*

## SPAIN:

*Aleurolobus olivinus*  
*Brachycerus algirus*  
*Bruchus lentis*  
*B. rufipes*  
*B. signaticornis*  
*Cacoecimorpha pronubana*  
*Cenopalpus pulcher*  
*Ceratitis capitata*  
*Chilo suppressalis*  
*Cochlicella barbara*  
*C. ventrosa*  
*Cryptoblabes gnidiella*  
*Curculio elephas*  
*Dacus oleae*  
*Dyspessa ulula*  
*Ectomyelois ceratoniae*  
*Helicella arigonis*  
*H. caperata*  
*H. conspurcata*  
*H. maritima*  
*H. variabilis*  
*H. virgata*  
*Helix aspersa*  
*Kaloterms flavicollis*  
*Laspeyresia nigricana*  
*L. splendana*  
*Macroglossum stellatarum*  
*Mamestra brassicae*  
*Parlatoria zizyphus*  
*Rhagoletis cerasi*  
*Sesamia cretica*  
*S. nonagriodes*  
*Taeniothrips picipes*  
*Theba pisana*

## SUDAN:

*Trogoderma granarium*

## SURINAM:

*Fundella pellucens*  
*Maruca testulalis*

## SWEDEN:

*Frankliniella intonsa*

## Countries of Origin and Insects—Continued

## SWEDEN—Continued

*Ostrinia nubilalis*  
*Taeniothrips atratus*  
*Tephritis conura*  
*Thrips major*

## SWITZERLAND:

*Cladius pectinicornis*  
*Curculio elephas*  
*C. nucum*  
*Frankliniella intonsa*  
*Gelechia ericetella*  
*Laspeyresia splendana*  
*Melolontha melolontha*  
*Stenoptilia stigmatodactyla*  
*Thrips flavus*

## TAHITI:

*Dialeurodes kirkaldyi*  
*Morganella longispina*  
*Parlatoria cinerea*  
*Pulvinaria psidii*

## THAILAND:

*Caryedon gonagra*  
*Dacus cucurbitae*  
*Heterobostrychus aequalis*  
*Ostrinia nubilalis*  
*Oxydema longulum*  
*Parlatoria citri*  
*Trogoderma granarium*

## TORTOLA:

*Anastrepha mombinpraeoptans*  
*Euscepes postfasciatus*  
*Melormenis antillarum*

## TRINIDAD:

*Acanthoscelides armitagei*  
*Aganactesis indecora*  
*Ancylostomia stercorea*  
*Aspidiotus excisus*  
*Cylas formicarius elegantulus*  
*Euscepes postfasciatus*  
*Sphenarches caffer*  
*Vinsonia stellifera*

## TURKEY:

*Bruchus ervi*  
*B. lentis*  
*Helicella cretica*  
*H. derbentina*  
*H. protea*  
*H. variabilis*  
*Helix figulina*  
*Monacha olivieri*  
*Otala vermiculata*  
*Rhagoletis cerasi*(?)

## UNION OF SOVIET SOCIALIST REPUBLICS:

*Haplothrips tritici*

## UNITED ARAB REPUBLIC:

*Bruchus lentis*  
*Ceratitis capitata*  
*Gnorimoschema ocellatella*

## UNKNOWN:

*Achaea fanata*  
*Aethus indicus*  
*Anastrepha mombinpraeoptans*  
*Ancylostomia stercorea*  
*Arge ochropus*  
*Asterobemisia carpini*  
*Brevipalpus chilensis*  
*Bruchus ervi*  
*B. lentis*  
*Caryedon gonagra*  
*Ceratitis capitata*  
*Ceroplastes rubens*  
*Chalciope hyppasia*  
*Chrysomphalus personatus*  
*Clysiana ambiguella*  
*Cochlicella ventrosa*  
*Cryptoblabes gnidiella*  
*Diabrotica speciosa*  
*Diataraxia oleracea*  
*Dyspepsa ulula*  
*Ectomyelois ceratoniae*  
*Eucalymnatus tessellatus*  
*Euxesta eluta*  
*Frankliniella intonsa*  
*F. sulphurea*  
*Geniates panamensis*

*Helicella itala*  
*H. protea*  
*H. pyramidata*  
*Helix aspersa*  
*Hymenia perspectalis*  
*Laspeyresia splendana*  
*Liogenys macropelma*  
*Lyctus africanus*  
*Macrosiphum ibarae*(?)  
*Marasmia poegalis*  
*Minthea rugicollis*  
*Nephotettix apicalis*  
*Opeas pumilum*  
*Ostrinia nubilalis*  
*Otala vermiculata*  
*Orycopis vittata*  
*Parastichtis monoglypha*  
*Parlatoria cinerea*  
*P. zizyphus*  
*Pectinophora gossypiella*  
*Phytomyza rufipes*  
*Prodenia litura*  
*Pyropotosia pryeri*  
*Rhagoletis cerasi*  
*Rhynchophorus palmarum*  
*Sesamia cretica*  
*Sinoxylon anale*  
*Sitona cylindricollis*  
*S. hispidula*  
*Spodoptera mauritia acronyctoides*  
*S. pecten*  
*Stenoma catenifer*  
*Stephanoderes hampei*  
*Sylepta balteata*  
*Taeniothrips atratus*  
*Theba pisana*  
*Thrips angusticeps*  
*T. flavus*  
*T. major*  
*T. pillichii*  
*Trogoderma granarium*  
*Unaspis yanonensis*  
*Vinsonia stellifera*

## URUGUAY:

*Ceratitis capitata*

## VENEZUELA:

*Asterolecanium epidendri*  
*Cryptoblabes gnidiella*  
*Epinotia aporema*  
*Nasutitermes corniger*  
*Pectinophora gossypiella*  
*Stenoma catenifer*

## VIETNAM:

*Cryptophlebia ombrodelta*  
*Heterobostrychus aequalis*  
*Parlatoria citri*  
*P. zizyphus*

## WAKE ISLAND(?):

*Parlatoria zizyphus*

## WEST AFRICA:

*Caryedon gonagra*  
*Cordylomera spinicornis*(?)  
*Heterobostrychus brunneus*  
*Pachybrachius albocinctus*  
*Xyloperthella picea*  
*Xyloperthodes nitidipennis*(?)

## WEST INDIES (island(?)):

*Aeneolamia reducta*  
*Ancylostomia stercorea*  
*Euxesta eluta*

## WEST PACIFIC:

*Pentalonia nigronervosa*  
*Spodoptera mauritia acronyctoides*  
*Utethesia pulchella*

## YUGOSLAVIA:

*Bruchidius marginalis*  
*Bruchus rufipes*  
*B. tristis*  
*Cryptoblabes gnidiella*  
*Curculio elephas*  
*Opogona sacchari*  
*Otala lactea*  
*Taeniothrips atratus*

## ZANZIBAR:

*Sinoxylon conigerum*



Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
† <i>Alternaria zinniae</i> Pape: <i>Zinnia</i> sp. (seed)-----	Italy-----			1	N.J.
† <i>Anthostomella leucobasis</i> Ell. & Mart.: <i>Chamaedorea</i> sp. (palm) leaf-----	Mexico-----	1			Tex.
† <i>Aphelenchoides blastophthorus</i> Franklin, 1952: <i>Convallaria majalis</i> (lily-of-the-valley)-----	Denmark-----			1	N.Y.
† <i>Aphelenchoides parietinus</i> (Bastian, 1865) Steiner, 1932: Soil with <i>Samanea saman</i> (raintree saman) log-----	Fiji-----	1			Hawaii.
<i>Ascochyta citri</i> Penz.: <i>Citrus limon</i> (lemon)-----	†Federation of Malaysia, unknown.		2		Calif.*
<i>C. sinensis</i> (sweet orange)-----	Japan-----		2		Calif.*
<i>Ascochyta sorghina</i> Sacc.: <i>Sorghum vulgare</i> (sorghum)-----	Mexico-----	1			Tex.
<i>Botryosphaeria berengeriana</i> de N. var. <i>araucariae</i> Sacc. ( <i>Dothiorella araucariae</i> stage): <i>Araucaria angustifolia</i> (Parana araucaria) seed-----	Republic of South Africa.			1	N.Y.
† <i>Camarosporium ellipticum</i> Cke. & Harkn.: <i>Mesembryanthemum linguiforme</i> (stem)-----	do-----	1			N.Y.
†Carnation mottle virus: <i>Dianthus caryophyllus</i> (carnation)-----	Italy-----			1	N.J.
<i>Cercospora angraeci</i> Feuill. & Roum.: <i>Odontoglossum</i> sp. (orchid) leaf-----	England-----			1	N.J.
<i>Cercospora brachiata</i> Ell. & Ev. (Syn.: <i>C. canescens</i> ): <i>Phaseolus vulgaris</i> cv. (string bean)-----	Puerto Rico-----	3			P.R.
† <i>Cercospora insulana</i> Sacc.: <i>Limonium sinuatum</i> (notchleaf sea-lavender) stem and leaf-----	Haiti-----	1			Fla.
† <i>Cercospora jujubae</i> Chowdhury: <i>Zizyphus jujuba</i> (common jujube) leaf-----	Thailand-----			1	Fla.
<i>Cercospora kalmiae</i> Ell. & Ev.: <i>Kalmia latifolia</i> (mountain-laurel kalmia) leaf-----	Europe (country?)--		4		N.Y.
† <i>Cercospora longissima</i> Sacc.: <i>Lactuca sativa</i> (lettuce) leaf-----	British Honduras--	1			Fla.
<i>Chrysomyxa ledi</i> d By. var. <i>rhododendri</i> (d By.) Savile: <i>Rhododendron ferrugineum</i> (rock rhododendron) leaf-----	Switzerland-----	9			N.Y.
<i>Rhododendron</i> sp-----	Austria, †Norway(?), Switzerland.	19			Fla., N.Y.
† <i>Coccostroma chamaedoreae</i> (Syd.) Arx & Müller: <i>Chamaedorea</i> sp. (palm) leaf-----	Mexico-----	1			Tex.
† <i>Coniothecium scabrum</i> McAlp.: <i>Citrus sinensis</i> (sweet orange)-----	Mexico, Republic of South Africa, Spain.	1	2		Calif.,* Hawaii, N.C.
† <i>Corynespora cassiicola</i> (Berk. & Curt.) Wei: <i>Lycopersicon esculentum</i> (tomato)-----	Guatemala-----	1			Fla.
† <i>Criconea celetum</i> Wu, 1960: Soil with <i>Camellia</i> sp-----	Portugal-----			1	N.Y.
† <i>Criconea fimbriatum</i> Cobb in Taylor, 1936: Soil with <i>Begonia</i> sp-----	Mexico-----			1	Tex.
<i>Criconemoides curvatum</i> Raski, 1952: Soil with <i>Begonia</i> sp-----	Argentina-----			1	N.Y.
Soil with <i>Camellia</i> sp-----	†Portugal-----			1	N.Y.
Soil with <i>Mentha</i> sp-----	Mexico-----			1	Tex.
† <i>Criconemoides informe</i> (Micoletzky, 1922) Taylor, 1936: Soil with <i>Fagus</i> sp. and <i>Picea</i> sp-----	Germany-----			1	Calif.*
<i>Criconemoides mutabile</i> Taylor, 1936: Soil with <i>Amaryllis</i> sp. (bulb)-----	Mexico-----			1	Tex.
Soil with <i>Dahlia</i> hybrid-----	do-----			1	Ariz.
Soil with <i>Mangifera indica</i> (mango) seedling-----	do-----			1	Tex.
Soil with unidentified plants-----	do-----			1	Tex.
<i>Cronartium ribicola</i> Fisch. v. Waldh.: <i>Ribes</i> sp. (leaf)-----	Germany-----			1	Mass.

See footnotes at end of table.

Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Cryptospora longispora</i> Servazzi: <i>Araucaria excelsa</i> (seed)-----	Unknown-----	-----	-----	1	N.J.
<i>Cumminsella mirabilissima</i> (Pk.) Nannf.: <i>Mahonia aquifolium</i> 'Darkpurple' (leaf)-----	Netherlands-----	-----	-----	1	N.Y.
<i>Cylindrosporium castaneae</i> (Lév.) Krenner: <i>Castanea</i> sp. (chestnut) plant-----	Italy-----	-----	-----	1	N.Y.
<i>Diaporthe eres</i> Nits. ( <i>Phomopsis pterophila</i> stage): <i>Fraxinus excelsior</i> 'Weeping' (weeping European ash) seed-----	do-----	-----	-----	1	N.J.
<i>Ditylenchus dipsaci</i> (Kühn, 1857) Filipjev, 1936: <i>Narcissus</i> sp. (bulb)-----	England-----	-----	-----	2	N.J.
<i>Dothiorella barringtoniae</i> (Cke. & Massee) Petr. & Syd.: <i>Barringtonia speciosa</i> (India barringtonia) seed pod-----	Hawaii-----	1	-----	-----	Calif.*
‡ <i>Dothiorella eucalypti</i> (Berk. & Br.) Sacc.: <i>Eucalyptus</i> sp. (leaf)-----	Australia-----	1	-----	-----	N.Y.
‡ <i>Echidnodella guatemalensis</i> Bat. et al: <i>Annona muricata</i> (sour sop) leaf-----	Dominican Republic--	1	-----	-----	N.Y.
<i>Elsinoe australis</i> Bitanc. & Jenkins: <i>Citrus aurantifolia</i> (sour lime)-----	Argentina, Brazil-----	1	14	-----	Calif.,* Fla.
<i>C. limon</i> (lemon)-----	Argentina, Brazil, Uruguay.	3	20	-----	Ala., Calif.,* Fla., La., N.Y.
<i>C. paradisi</i> (grapefruit)-----	Paraguay-----	-----	1	-----	N.Y.
<i>C. reticulata</i> (Mandarin orange)-----	Argentina, Brazil, South America (country(?)), unknown, Uruguay.	9	38	-----	Ala., Calif.,* Fla., La., N.Y., Pa., P.R.
<i>C. reticulata</i> cv-----	Argentina, South America (country(?)), unknown.	1	13	-----	N.Y.
<i>C. sinensis</i> (sweet orange)-----	Argentina, Brazil, Paraguay, South America (country(?)), unknown, Uruguay.	15	94	-----	Ala., Calif.,* Fla., Ga., Hawaii, La., Md., Mass., N.Y., Pa., P.R., Tex.
<i>Elsinoe mangiferae</i> Bitanc. & Jenkins: <i>Mangifera indica</i> (mango)-----	†Costa Rica, Dominican Republic, †Jamaica, Mexico, Puerto Rico, unknown.	22	1	-----	Fla., P.R., Tex.
‡ <i>Elsinoe rosarum</i> Jenkins & Bitanc.: <i>Rosa</i> hybrid (leaf)-----	Italy-----	1	-----	-----	N.Y.
‡ <i>Fusarium avenaceum</i> (Fr.) Sacc.: <i>Triticum aestivum</i> (wheat) seed-----	France-----	1	-----	-----	N.J.
‡ <i>Fusarium nivale</i> Ces.: <i>Triticum aestivum</i> (wheat) seed-----	do-----	1	-----	-----	N.J.
† <i>Fusicladium pyracanthae</i> (Oth) Rostr.: <i>Pyracantha atalantoides</i> (firethorn)-----	Germany-----	-----	-----	1	D.C.
"Greasy spot": <i>Citrus reticulata</i> (Mandarin orange)-----	†Argentina-----	-----	1	-----	Fla.
<i>Citrus</i> sp-----	Dominican Republic, †Haiti, Mexico.	6	-----	-----	Fla., N.Y., Tex.
† <i>Guignardia bidwellii</i> (Ell.) Viala & Ravaz ( <i>Phyllosticta</i> stage): <i>Vitis</i> sp. (grape) leaf-----	Honduras-----	1	-----	-----	Fla.
<i>Guignardia citricarpa</i> Kiely ( <i>Phoma</i> stage): <i>Citrus aurantifolia</i> (lime)-----	Vietnam-----	1	-----	-----	Hawaii.
<i>C. aurantium</i> (sour orange)-----	Japan-----	-----	5	-----	Calif.,* Wash.
<i>C. grandis</i> (pummelo)-----	Japan, Thailand-----	1	1	-----	Calif.*
<i>C. limon</i> (lemon)-----	Australia, Formosa, India(?), Japan, Republic of South Africa, unknown.	2	59	-----	Calif.,* Fla., Hawaii, N.Y., Oreg., Pa., S.C., Tex., Va.
<i>C. paradisi</i> (grapefruit)-----	Australia, China(?), Japan, Republic of South Africa, Tahiti (?), unknown.	1	13	-----	Calif.,* Fla., Hawaii, N.Y., Pa. S.C.

See footnotes at end of table.



Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump- tion	Nonentry	Propaga- tion	
<i>Guignardia citricarpa</i> Kiely—Continued					
<i>C. reticulata</i> (Mandarin orange)-----	Australia, China, Formosa, Hong Kong, Japan, Okinawa, Philippines, unknown, Vietnam.	111	6	-----	Calif.,* Hawaii, Pa., S.C., Tex., Wash.
<i>C. sinensis</i> (sweet orange)-----	Australia, Brazil, China, Formosa, Hong Kong, Japan, Republic of South Africa, unknown.	56	260	-----	Calif.,* Fla., Ga., Hawaii, La., Md., Mass., N.Y., N.C., Pa., S.C., Tex., Wash.
<i>Citrus</i> sp. (dried peel)-----	China, Hong Kong, Japan, Pakistan, unknown.	40	-----	-----	Calif.,* Fla., N.Y. Tex., Wash.
<i>Gymnosporangium haraeae</i> Syd.: <i>Juniperus chinensis</i> (pyramid Chinese juniper) dwarf tree.	Japan-----	-----	-----	1	Calif.*
<i>Helicotylenchus mannus</i> Steiner, 1945: (Syn.: <i>H. dihystra</i> ) Soil with <i>Allium</i> sp. (onion)-----	Mexico-----	1	-----	-----	Tex.
Soil with plants ( <i>Begonia</i> sp., <i>Caladium</i> sp., <i>Chamaedorea</i> sp., <i>Coleus</i> sp., <i>Dracaena</i> sp., <i>Euphorbia mili</i> , <i>Mangifera indica</i> , <i>Mentha</i> sp., and unidentified plants).	Argentina, Brazil, †Hawaii, †Japan, Mexico, †Philippines	-----	1	15	Hawaii, N.Y. Tex.
† <i>Helminthosporium cynodontis</i> Marig.: <i>Cynodon dactylon</i> (Bermuda grass) stolon-----	India-----	-----	-----	1	D.C.
<i>Cynodon</i> sp. (dogtooth grass) stolon-----	Republic of South Africa.	-----	-----	1	D.C.
‡ <i>Hemicriconemoides mangiferae</i> Siddiqi, 1961: Soil with <i>Coleus</i> sp-----	Mexico-----	-----	-----	1	Tex.
<i>Heterodera avenae</i> Wollenweber, 1924: Soil with automobile-----	France-----	1	-----	-----	N.Y.
Soil with <i>Dahlia</i> hybrid-----	Germany-----	-----	-----	1	Ill.
<i>Heterodera punctata</i> Thorne, 1928: Soil with automobile-----	England, Europe (country(?)), Germany.	5	-----	-----	Calif.,* Fla., N.Y., Tex.
Soil with plants ( <i>Calluna vulgaris</i> , <i>Cissus</i> sp., grass, succulent, and unidentified plants).	Czechoslovakia, England, Germany, Ireland, Mexico, Norway, Scotland.	-----	2	9	Ariz., Fla., Ill., Mich., N.Y.
Soil with stores ( <i>Apium graveolens</i> var. <i>dulce</i> , <i>Amoracia lapathifolia</i> , and <i>Solanum tuberosum</i> ).	England, Germany--	-----	3	-----	Calif.,* La., N.Y.
<i>Heterodera rostochiensis</i> Wollenweber, 1923: Soil with <i>Allium sativum</i> (garlic)-----	Peru-----	3	-----	-----	N.Y.
Soil with automobile-----	England, Germany-----	2	-----	-----	La., Pa.
Soil with plants ( <i>Amaryllis</i> sp., cactus, <i>Calluna vulgaris</i> , <i>Dahlia</i> hybrid, <i>Fragaria</i> sp., grass, <i>Hedera helix</i> , <i>Primula</i> sp., <i>Prunus</i> sp., <i>Rubus</i> sp., <i>Salvia officinolis</i> , <i>Sedum</i> sp., <i>Trifolium repens</i> cv., unidentified plants, and <i>Zantedeschia</i> sp.).	England, Germany, Ireland, Northern Ireland, Scotland, Sweden, unknown.	-----	-----	19	Calif.,* Fla., Ill., Md., Mass., Mich., N.J. N.Y.
Soil with <i>Solanum</i> spp. (tubers)-----	South America (country(?))	-----	-----	1	D.C.
Soil with stores ( <i>Apium graveolens</i> var. <i>dulce</i> , <i>Daucus carota</i> var. <i>sativa</i> , and <i>Solanum tuberosum</i> ).	Argentina, Canary Islands, England, Netherlands, Norway.	-----	6	-----	Calif.,* Fla., Mich.
Soil with <i>Trifolium repens</i> cv. (shamrock) leaf--	Ireland-----	1	-----	-----	Ill.
‡ <i>Hypoxylon folicola</i> J. H. Miller: <i>Chamaedorea elegans</i> (palm) leaf-----	Mexico-----	1	-----	-----	Tex.
<i>Chamaedorea</i> sp. (leaf)-----	do-----	3	-----	-----	Tex.
‡ <i>Lacellina graminicola</i> Sacc.: <i>Panicum maximum</i> (Guinea grass)-----	do-----	1	-----	-----	Tex.
‡ <i>Leprieurina winteriana</i> Arn.: <i>Annona muricata</i> (soursop) leaf-----	Dominican Republic--	1	-----	-----	N.Y.
<i>Leptosphaeria protearum</i> Syd.: <i>Protea cynaroides</i> (honeycot protea) leaf-----	Republic of South Africa.	1	-----	-----	N.Y.
<i>Protea</i> sp. (leaf)-----	do-----	2	-----	-----	Mass., N.Y.

See footnotes at end of table.

## Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Macrophoma araucariae</i> De Lac.:					
<i>Araucaria cookii</i> (seed).....	New Zealand.....	-----	-----	1	Calif.*
<i>A. cunninghamii</i> (Cunningham araucaria) seed.....	New Guinea, New Zealand.....	-----	-----	4	Calif.*
<i>A. klinkii</i> (seed).....	New Guinea.....	-----	-----	1	Calif.*
<i>Macrophoma dalmatica</i> (Thuem.) Berl. & Vogl.:					
<i>Olea europaea</i> (olive).....	Lebanon.....	1	-----	-----	N.Y.
<i>Macrophoma musae</i> (Cke.) Berl. & Vogl.:					
<i>Musa</i> × <i>paradisiaca</i> (banana).....	†Formosa, Hawaii.....	1	1	-----	Calif.*
<i>Macrophoma oleae</i> (DC.) Berl. & Vogl.:					
<i>Olea europaea</i> (olive).....	Italy.....	1	-----	-----	N.Y.
† <i>Melanconium palmarum</i> Cke.:					
<i>Chamaedorea</i> sp. (palm) leaf.....	Mexico.....	1	-----	-----	Tex.
† <i>Meliola butleri</i> Syd.:					
<i>Citrus reticulata</i> (Mandarin orange).....	Philippines.....	1	-----	-----	Hawaii.
<i>Meloidogyne arenaria</i> (Neal, 1889) Chitwood, 1949:					
<i>Alocasia</i> sp. (root).....	Mexico.....	-----	-----	2	Tex.
<i>Coriandrum sativum</i> (?) (root).....	†Nicaragua.....	-----	-----	1	Fla.
Plant—unidentified (root).....	do.....	-----	-----	1	Fla.
<i>Solanum tuberosum</i> (potato).....	Brazil.....	-----	1	-----	La.
<i>Zingiber officinale</i> (ginger) root.....	†Nicaragua.....	-----	-----	1	Fla.
<i>Meloidogyne hapla</i> Chitwood, 1949:					
<i>Anemone japonica</i> (Japanese anemone) root.....	Germany.....	-----	-----	1	N.J.
<i>Bredia tuberculata</i> (root).....	†Ireland.....	-----	-----	1	D.C.
<i>Clematis</i> hybrid (root).....	Netherlands.....	-----	-----	3	N.Y.
<i>Dahlia</i> hybrid (root).....	Japan.....	-----	-----	1	Hawaii
<i>Impatiens petersiana</i> (Peters snapweed).....	†Ireland.....	-----	-----	1	D.C.
<i>Phyllagathis rotundifolia</i> (Sumatra metalleaf).....	do.....	-----	-----	1	D.C.
<i>Ranunculus acontifolius</i> 'Double' (aconite buttercup) root.....	Netherlands.....	-----	-----	1	N.J.
Root—unidentified.....	†Lebanon.....	-----	-----	1	D.C.
<i>Rosa</i> hybrid (root).....	†Portugal.....	-----	-----	1	N.J.
<i>Meloidogyne incognita</i> (Kofoid and White, 1919) Chitwood, 1949:					
<i>Begonia</i> sp. (root).....	Mexico.....	-----	-----	1	Tex.
<i>Echeveria</i> sp. (root).....	Republic of South Africa.....	-----	-----	1	Tex.
<i>Gardenia</i> sp. (root).....	Mexico.....	-----	-----	1	Tex.
<i>Lilium</i> sp. (root).....	do.....	-----	-----	1	Ariz.
<i>Meloidogyne incognita acrita</i> Chitwood, 1949:					
<i>Anthurium</i> sp. (root).....	Colombia.....	-----	-----	1	Tex.
<i>Begonia multiflora</i> 'Helen Haerens' (tuber).....	Netherlands.....	-----	-----	1	N.J.
<i>Begonia</i> sp. (root).....	Costa Rica.....	-----	-----	1	Fla.
<i>Caladium</i> sp. (root of bulb).....	Guatemala.....	-----	-----	1	Tex.
<i>Calloopsis volkensii</i> (root).....	England.....	-----	-----	1	D.C.
<i>Gerbera</i> sp. (root).....	Trinidad.....	-----	-----	1	Fla.
<i>Ipomoea batatas</i> (sweetpotato).....	Japan.....	-----	1	-----	Calif.*
<i>Lactuca sativa</i> (lettuce) root.....	†Senegal.....	-----	1	-----	Mass.
<i>Ornithogalum thyrsoides</i> (Cape chinkerichee) root of bulb.....	Republic of South Africa.....	-----	-----	1	N.J.
<i>Philodendron</i> sp. (root).....	Mexico.....	-----	-----	1	Tex.
<i>Yucca</i> sp. (root).....	do.....	-----	-----	1	Tex.
<i>Meloidogyne incognita incognita</i> (Kofoid and White, 1919) Chitwood, 1949:					
<i>Ornithogalum thyrsoides</i> (Cape chinkerichee) root of bulb.....	Republic of South Africa.....	-----	-----	1	N.J.
<i>Meloidogyne javanica</i> (Treub, 1885) Chitwood, 1949:					
<i>Canna</i> sp. (root).....	Mexico.....	-----	-----	1	Tex.
<i>Dieffenbachia amoena</i> (root).....	do.....	-----	-----	1	Tex.
<i>Ornithogalum thyrsoides</i> (Cape chinkerichee) root of bulb.....	Republic of South Africa.....	-----	-----	1	N.J.
Plant—unidentified (root).....	†Nicaragua.....	-----	-----	1	Fla.
<i>Solanum tuberosum</i> (potato).....	Brazil.....	-----	2	-----	La.
<i>Microsphaera alni</i> Wint.:					
<i>Ledum</i> sp. (?) (leaf).....	Canada.....	-----	-----	1	Wash.
† <i>Microthyrium laurenti</i> P. Henn.:					
<i>Coffea</i> sp.....	Mexico.....	2	-----	-----	Ariz.
<i>Monilinia fructigena</i> (Aderh. & Ruhl.) Honey:					
<i>Malus sylvestris</i> (apple).....	†Switzerland.....	1	-----	-----	Calif.*
<i>Prunus domestica</i> (plum).....	Germany.....	1	-----	-----	Calif.*
<i>Prunus</i> sp. (cherry).....	France, Italy, Spain.....	-----	3	-----	N.Y., Pa.

See footnotes at end of table.



Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in
		Consumption	Nonentry	Propagation	
<i>Mycosphaerella advena</i> Syd.:					
<i>Chamaedorea</i> sp. (palm) stem.....	Mexico.....	1			Tex.
<i>Mycosphaerella colorata</i> Ell. & Ev. ( <i>Phyllosticta kalmicola</i> stage):					
<i>Kalmia latifolia</i> (mountain-laurel kalmia).....	Europe (country(?)).....		3		N.Y.
<i>Mycosphaerella schoenoprasi</i> (Ces. & de N.) Schroet.:					
<i>Allium cepa</i> (onion) top.....	Japan, Sweden.....		3		Calif.*
<i>A. porrum</i> (leek) top.....	Japan.....		7		Calif.*
<i>Allium</i> sp.....	do.....		1		Calif.*
† <i>Mycosphaerella tetraspora</i> Seaver:					
<i>Commelina</i> sp. (dayflower) leaf.....	Puerto Rico.....			1	P.R.
† <i>Myiocopron orchidearum</i> (Mont.) Sacc.:					
<i>Epidendrum</i> sp. (orchid).....	Canal Zone.....			1	Hawaii.
<i>Neovossia horrida</i> (Tak.) Padw. & A. Khan (Syn.: <i>Tilletia horrida</i> ):					
<i>Oryza sativa</i> (rice) hulls and straw.....	Japan.....		128		Calif.*
† <i>Phaeoseptoria oryzae</i> Miyake:					
<i>Oryza sativa</i> (rice).....	Mexico.....			1	Tex.
<i>Phakopsora gossypii</i> (Arth.) Hirat. f.:					
<i>Gossypium</i> sp. (cotton) leaf.....	Haiti, Jamaica.....	2			Fla., N. Y.
<i>Phakopsora jatrophiicola</i> Cumm.:					
<i>Jatropha curcas</i> (Barbados-nut) leaf.....	Dominican Republic.....	1			Fla.
<i>J. gossypiiifolia</i> (bellyache nettlespurge) leaf.....	Dominican Republic, †Haiti, †Nicaragua.	5			Fla.
<i>Phoma cajani</i> Rangel:					
<i>Cajanus cajan</i> (pigeonpea).....	†Dominican Republic, †Jamaica, Puerto Rico.	3			Fla., P.R.
<i>Phoma samararum</i> Desm.:					
<i>Frazinus</i> sp. (ash) samara.....	Norway.....			1	Wash.
<i>Phomopsis cocoes</i> Petch:					
<i>Cocos nucifera</i> (coconut) nut cap.....	Hawaii, Philippines.....	1	1		Calif.*
<i>Phomopsis conorum</i> (Sacc.) Died.:					
<i>Picea</i> sp. (spruce) seedling.....	Germany.....			1	Calif.*
† <i>Phomopsis detrusa</i> (Sacc.) Died.:					
<i>Nandina domestica</i> (seed berry).....	Japan.....			1	Calif.*
<i>Phyllachora cynodontis</i> (Sacc.) Niessl:					
<i>Cynodon dactylon</i> (Bermuda grass).....	India.....			1	D.C.
† <i>Phyllachora graminis</i> (Fr.) Fckl.:					
Grass—unidentified.....	Canada.....			1	N.Y.
<i>Phyllactinia guttata</i> (Fr.) Lévl.:					
<i>Ulmus</i> sp. (elm) leaf.....	Mexico.....	1			Tex.
<i>Phyllosticta aucubicola</i> Sacc.:					
<i>Aucuba japonica</i> 'Croton'.....	Belgium.....			1	N.J.
† <i>Phyllosticta batatas</i> (Thuem.) Cke.:					
<i>Ipomoea batatas</i> (sweetpotato) leaf.....	Puerto Rico.....			1	P.R.
† <i>Phyllosticta coccolabae</i> Ell. & Ev.:					
<i>Coccoloba uvifera</i> (common seagrape) leaf.....	do.....	1			P.R.
† <i>Phyllosticta cocos</i> Cke.:					
<i>Chamaedorea</i> sp. (palm) frond.....	Mexico.....	1			Tex.
† <i>Phyllosticta coffeicola</i> Delacr.:					
<i>Coffea</i> sp. (leaf).....	Costa Rica.....	2			Fla.
† <i>Phyllosticta hibiscina</i> Ell. & Ev.:					
<i>Hibiscus rosa-sinensis</i> (Chinese hibiscus) leaf.....	Bahamas.....			1	Fla.
† <i>Phyllosticta ilicicola</i> (Cke. & Ell.) Ell. & Ev.:					
<i>Ilex yunnanensis</i> (Yunnan holly) leaf.....	Mexico(?).....		1		Fla.
<i>Phyllosticta ruscicola</i> Dur. & Mont.:					
<i>Ruscus</i> sp. (butchersbroom).....	Italy.....	1			La.
† <i>Phyllosticta sorbi</i> West. var. <i>torminalis</i> Grove:					
<i>Sorbus aucuparia</i> (European mountain-ash) seed.	Belgium.....			1	N.J.
† <i>Polyporus phocinus</i> Berk.:					
<i>Samanea saman</i> (raintree saman) log.....	American Samoa.....	1			Hawaii.
<i>Pratylenchus convallariae</i> Seinhorst, 1959:					
<i>Convallaria majalis</i> (lily-of-the-valley) pip.....	Denmark.....			1	N.Y.
<i>Pratylenchus penetrans</i> (Cobb, 1917) Filipjev & Schuurmans Stekhoven, 1941:					
<i>Dahlia</i> 'Aquila' (root).....	Republic of South Africa.			1	N.J.
Soil with <i>Camellia</i> sp.....	†Portugal.....			1	N.Y.

See footnotes at end of table.

## Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Pseudomonas syringae</i> v. Hall(?): <i>Citrus limon</i> (lemon)-----	Italy, †Portugal, unknown.	2	1	-----	Mass., N.Y.
<i>Puccinia buxi</i> DC.: <i>Buxus sempervirens</i> (boxwood) leaf-----	England, Europe (country(?)), France, Ireland, †Switzerland, un- known.	8	47	3	Calif., *Mass., N.Y., Wash.
† <i>Puccinia cyperi</i> Arth.: <i>Cyperus</i> sp. (flatsedge) leaf-----	Peru-----	1	-----	-----	Fla.
† <i>Puccinia dochmia</i> Berk. & Curt.(?): <i>Muhlenbergia</i> sp. (muhly) grass packing-----	Mexico-----	1	-----	-----	Ariz.
† <i>Puccinia erythropus</i> Diet.: <i>Miscanthus sinensis</i> (Chinese silvergrass)-----	Japan-----	-----	1	-----	Hawaii.
<i>Puccinia horiana</i> P. Henn.: <i>Chrysanthemum leucanthemum</i> (ox-eye daisy) ..	do-----	-----	1	-----	Hawaii.
<i>C. morifolium</i> (florists chrysanthemum)-----	do-----	5	-----	-----	Hawaii.
<i>Chrysanthemum</i> sp-----	do-----	6	24	-----	Calif., * Hawaii.
† <i>Puccinia iridis</i> Rab.: <i>Iris</i> hybrid (leaf)-----	Austria-----	-----	-----	1	N.J.
<i>Puccinia longicornis</i> Pat. & Har.: Bamboo (leaf)-----	Japan-----	-----	1	-----	Wash.
† <i>Puccinia menthae</i> Pers.: <i>Mentha</i> sp. (mint) leaf-----	Haiti-----	1	-----	-----	Fla.
<i>Puccinia oncidii</i> Cumm.: <i>Oncidium</i> sp. (orchid) leaf-----	Ecuador-----	-----	-----	2	N.Y.
<i>Puccinia ornithogali-thyrsoidea</i> Diet.: <i>Ornithogalum thyrsoidea</i> (Cape chinkerichee) stem.	Republic of South Africa.	3	-----	-----	N.J., N.Y.
<i>Puccinia striiformis</i> West.: <i>Triticum aestivum</i> (wheat) straw-----	France-----	1	-----	-----	Fla.
† <i>Puccinia thaliae</i> Diet.: <i>Canna</i> sp. (leaf)-----	Honduras-----	1	-----	-----	Fla.
<i>Puccinia urbaniana</i> P. Henn.: <i>Stachytarpheta jamaicensis</i> (Jamaica falsevaler- ian) leaf.	†Dominican Repub- lic, Puerto Rico.	2	-----	-----	Fla., P.R.
<i>Radopholus similis</i> (Cobb, 1893) Thorne, 1949: <i>Anthurium</i> sp. (root)-----	Hawaii-----	-----	-----	2	Calif.* Hawaii.
<i>Zingiber officinale</i> (ginger) rhizome-----	do-----	1	-----	-----	Hawaii.
<i>Ravenelia spegazziniana</i> Linquist: <i>Acacia</i> sp., prob. <i>farnesiana</i> (sweet acacia)-----	Mexico-----	-----	-----	1	Ariz.
† <i>Rhytisma decolorans</i> Fr.: <i>Lyonia</i> sp. (leaf)-----	Nepal-----	-----	-----	1	D.C.
Rose mosaic: <i>Rosa</i> hybrid-----	Guatemala-----	-----	1	-----	Fla.
†Rose mosaic—yellow type: <i>Rosa</i> hybrid-----	Haiti-----	1	-----	-----	Fla.
† <i>Rotylenchus goodeyi</i> Loof and Oostenbrink, 1958: <i>Armoracia lapathifolia</i> (horseradish)-----	England-----	-----	1	-----	Hawaii.
<i>Rotylenchus robustus</i> (deMan, 1876) Filipjev, 1936: <i>Armoracia lapathifolia</i> (horseradish)-----	do-----	-----	1	-----	Hawaii.
Soil with Euphorbiaceae (plant)-----	do-----	-----	-----	1	Md.
† <i>Rotylenchus uniformis</i> (Thorne, 1949) Loof and Oostenbrink, 1958: Soil with <i>Camellia</i> sp-----	Portugal-----	-----	-----	1	N.Y.
Soil with "shamrock"-----	Ireland-----	1	-----	-----	Md.
† <i>Scirrhia rimosa</i> (Alb. & Schw.) Fekl.: <i>Phragmites communis</i> (common reed) mat-----	Austria-----	1	-----	-----	Ill.
<i>Scutellonema brachyurum</i> (Steiner, 1938) An- drassy, 1958: Liliaceae (plant)-----	†Australia-----	-----	-----	1	Hawaii.
Soil with bulb-----	Mexico-----	-----	-----	2	Ariz.
Soil with <i>Gardenia</i> sp. (plant)-----	do-----	-----	-----	1	Tex.
Soil with Liliaceae (plant)-----	†Japan-----	-----	-----	1	Hawaii.
Soil with unidentified plants-----	†Hawaii, Mexico-----	-----	-----	3	Hawaii, Tex.
<i>Septoria citri</i> Pass.: <i>Citrus aurantium</i> (sour orange)-----	Japan-----	-----	1	-----	Calif.*
<i>C. grandis</i> (pummelo)-----	do-----	-----	1	-----	Calif.*

See footnotes at end of table.



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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Septoria citri</i> Pass.—Continued					
<i>C. limon</i> (lemon).....	Greece, Italy, Spain, unknown.	-----	16	-----	Calif.,* Hawaii, La., N.Y., Ohio, Tex.
<i>C. reticulata</i> (Mandarin orange).....	Spain, unknown.....	-----	2	-----	Fla., N.Y.
<i>C. sinensis</i> (sweet orange).....	Greece, †Hong Kong, Japan, Republic of South Africa, Spain.	2	5	-----	Calif.,* Fla., Ohio.
<i>Septoria curvula</i> I. Miyake:					
<i>Oryza sativa</i> (rice) hulls.....	Japan.....	-----	1	-----	Calif.*
† <i>Septoria miyakei</i> Sacc. & Trav.:					
<i>Oryza sativa</i> (rice) hulls.....	do.....	-----	2	-----	Calif.*
<i>Septoria oryzae</i> Catt.:					
<i>Oryza sativa</i> (rice) hulls and straw.....	do.....	-----	37	-----	Calif.*
<i>Sphaceloma fawcettii</i> Bitanc. & Jenkins var. <i>scabiosa</i> (McAlp. & Tryon) Jenkins:					
<i>Citrus limon</i> (lemon).....	Australia.....	-----	4	-----	Calif.,* Fla., La., Pa.
† <i>Sphaceloma poinsettiae</i> Jenkins & Ruehle:					
<i>Euphorbia pulcherrima</i> (common poinsettia) stem and braet.	Guatemala.....	-----		1	Fla.
<i>Sphaceloma punicae</i> Bitanc. & Jenkins:					
<i>Punica granatum</i> (pomegranate).....	Dominican Republic, Mexico.	10	-----	-----	Ariz., P.R., Tex.
<i>Sphaceloma spondiadis</i> Bitanc. & Jenkins:					
<i>Spondias cytherea</i> (vi-apple).....	†Guatemala.....	1	-----	-----	La.
<i>S. mombin</i> ("jobo").....	Barbados.....	1	-----	-----	N.Y.
<i>S. purpurea</i> (purple mombin).....	†Dominican Republic, †El Salvador.	2	-----	-----	La., N.Y.
<i>Spondias</i> sp.....	†Trinidad.....	1	-----	-----	N.Y.
† <i>Sphaeropsis subglobosa</i> Cke.:					
<i>Bambusa</i> sp. (bamboo) necklace.....	Unknown.....	1	-----	-----	Fla.
<i>Sphenospora kevorkianii</i> Linder:					
<i>Cochlioda</i> sp. (orchid) leaf.....	Ecuador.....	-----	-----	1	N.Y.
<i>Diacrium</i> sp. (orchid) leaf.....	Costa Rica.....	-----	-----	1	Calif.*
<i>Epidendrum cochleatum</i> (orchid) leaf.....	Jamaica.....	-----	-----	1	Fla.
<i>E. difforme</i> (leaf).....	Guatemala.....	-----	-----	3	Fla.
<i>E. stamfordianum</i> (leaf).....	Canal Zone.....	-----	-----	1	Fla.
<i>Epidendrum</i> sp. (leaf).....	†Grenada, Haiti, Hon- duras, Panama.	-----	-----	4	Fla.
<i>Gongora</i> sp. (orchid) leaf.....	Mexico, Peru.....	-----	-----	2	Fla., Tex.
<i>Huntleya burtii</i> (orchid) leaf.....	Canal Zone, Costa Rica.	-----	-----	3	Fla.
<i>Ionopsis</i> sp.(?) (orchid) leaf.....	Haiti.....	-----	-----	1	Fla.
<i>Notylia lyrata</i> (orchid) leaf.....	Brazil.....	-----	-----	2	Fla.
<i>Oncidium bicallosum</i> (orchid) leaf.....	†Surinam.....	-----	-----	1	Fla.
<i>O. luridum</i> (leaf).....	†El Salvador.....	-----	-----	1	Fla.
<i>O. pusillum</i> (leaf).....	Guatemala.....	-----	-----	1	Fla.
<i>O. splendidum</i> (leaf).....	Honduras.....	-----	-----	1	Fla.
<i>Oncidium</i> sp. (leaf).....	†El Salvador, Haiti, Jamaica, Peru.	-----	-----	5	Fla., N.Y.
Orchid (leaf).....	Bahamas, †British Guiana, Ecuador, Panama.	-----	-----	7	Calif.,* Fla., N.Y.
<i>Trigonidium</i> sp. (orchid) leaf.....	Guatemala.....	-----	-----	1	Calif.*
<i>Zygopetalum cerinum</i> (orchid) leaf.....	Canal Zone.....	-----	-----	1	Fla.
<i>Zygostates lunata</i> (orchid) leaf.....	Brazil.....	-----	-----	1	Fla.
<i>Sphenospora mera</i> Cumm.:					
<i>Catasetum</i> sp. (orchid) leaf.....	Ecuador.....	-----	-----	1	Fla.
† <i>Thecaphora solani</i> Barrus:					
<i>Solanum tuberosum</i> (potato).....	Colombia.....	1	-----	-----	Fla.
† <i>Trochila ilicis</i> (Fr.) Crouan:					
<i>Ilex</i> sp. (holly) leaf.....	Italy.....	1	-----	-----	N.Y.
<i>Tylenchorhynchus capitatus</i> Allen, 1955:					
Soil with <i>Camellia</i> sp.....	†Portugal.....	-----	-----	1	N.Y.
Soil with <i>Solandra</i> sp. (chalice vine).....	Mexico.....	-----	-----	1	Ariz.
Soil with unidentified tree.....	do.....	-----	-----	1	Ariz.
† <i>Tylenchorhynchus crassicaudatus</i> Williams, 1960:					
Soil with Araceae (plant).....	Philippines.....	-----	-----	1	Hawaii.
Soil with <i>Ligustrum</i> sp.....	Japan.....	-----	-----	1	Hawaii.

See footnotes at end of table.

Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Uredo guacae</i> Mayor:					
<i>Epidendrum</i> sp. (orchid) leaf	†Dominican Republic			1	N.Y.
<i>Phalaenopsis</i> sp. (orchid) leaf	Peru			1	Fla.
<i>Uredo nigropuncta</i> P. Henn.:					
<i>Bletia</i> sp. (orchid) leaf	Bahamas			1	Fla.
<i>Uredo oncidii</i> P. Henn.:					
<i>Oncidium cavendishianum</i> (orchid) leaf	Mexico			1	Tex.
<i>Uredo scabies</i> Cke.:					
<i>Vanilla</i> sp. (orchid) leaf	do			1	Tex.
† <i>Uromyces dolicholi</i> Arth.:					
<i>Cajanus cajan</i> (pigeonpea) leaf	Panama	1			Fla.
‡ <i>Uromyces euphorbiae</i> Cke. & Pk.:					
<i>Euphorbia</i> sp.	Mexico	1			Ariz.
† <i>Uromyces jatrophae</i> Diet. & Holw.:					
<i>Manihot esculenta</i> (common cassava) leaf	Dominican Republic			2	Fla.
† <i>Uromyces vicia-fabae</i> (Pers.) Schroet. (Syn.: <i>U. fabae</i> ):					
<i>Lens culinaris</i> (lentil) pod and stem	Ecuador	1			Fla.
<i>Uromycladium tepperianum</i> (Sacc.) McAlp.:					
<i>Acacia decora</i> (graceful-wattle acacia) seed	Australia			1	Calif.*
<i>Xanthomonas citri</i> (Hasse) Dowson:					
<i>Citrus aurantifolia</i> (lime) dried peel and fruit	Afghanistan, Federation of Malaysia, India, Japan, Pakistan, Philippines, Thailand, unknown, Vietnam.	20	150		Calif.,* Hawaii, N.Y., Wash.
<i>C. aurantium</i> (sour orange)	Japan		24		Calif.,* La., Pa., Tex., Wash.
<i>C. grandis</i> (pummelo)	China, Federation of Malaysia, Formosa, Hong Kong, Thailand.	2	5		Calif.,* Hawaii, N.C.
<i>C. limon</i> (lemon)	Japan		17		Calif.,* Hawaii, La., Oreg., Tex.
<i>C. paradisi</i> (grapefruit)	do	1	3		Calif.,* Hawaii, Wash.
<i>C. paradisi</i> X <i>C. reticulata</i> (tangelo)	do		1		Hawaii.
<i>C. reticulata</i> (Mandarin orange) dried peel and fruit.	China, Hong Kong, India, Japan, unknown.	19	11		Calif.,* Fla., Hawaii, La., N.Y., Tex.
<i>C. reticulata</i> cv. (dried peel)	Hong Kong	1			Tex.
<i>C. sinensis</i> (sweet orange) dried peel and fruit	China, Formosa, Hong Kong, India, Japan, unknown.	18	90		Ala., Calif.,* Ga., Hawaii, La., N.Y., Oreg., Pa., Tex., Wash.
<i>Citrus</i> sp. (dried peel, fruit, and leaf)	China, Hong Kong, Japan, Pakistan, unknown.	8	7		Calif.,* Hawaii, N.Y., Tex., Wash.
‡ <i>Xanthomonas dieffenbachiae</i> (McCul. & Pirone) Dows.:					
<i>Dieffenbachia picta</i> (variable tuftroot)	Puerto Rico		1		P.R.
<i>Xanthomonas</i> sp. (Cancrosis B):					
<i>Citrus limon</i> (lemon)	Argentina, South America (country(?)), unknown.		18		N.Y., Pa., P.R., Tex.
<i>C. sinensis</i> (sweet orange)	South America (country(?)).		1		N.Y.

An asterisk (\*) indicates State inspection.  
A dagger (†) indicates a first interception from the country named.  
A double dagger (‡) indicates a first interception by Division inspectors.



## Hosts and Diseases

## ACACIA:

- ✓ *Ravenelia spegazziniana* (Promycetes)
- ✓ *Uromycladium tepperianum* (Promycetes)

## ALLIUM CEPA:

- ✓ *Mycosphaerella schoenoprasi* (Ascomycetes)

## ALLIUM PORRUM:

- ✓ *Mycosphaerella schoenoprasi* (Ascomycetes)

## ALLIUM SP.:

- ✓ *Mycosphaerella schoenoprasi* (Ascomycetes)

## ALOCASIA:

- ✓ *Meloidogyne arenaria* (Nematoda)

## ANEMONE:

- ✓ *Meloidogyne hapla* (Nematoda)

## ANNONA:

- † *Echidnodella guatemalensis* (Ascomycetes)
- † *Leprieurina winteriana* (Deuteromycetes)

## ANTHURIUM:

- Meloidogyne incognita acrita* (Nematoda)
- Radopholus similis* (Nematoda)

## ARAUCARIA:

- Botryosphaeria berengeriana* var. *araucariae* (Ascomycetes)

- ✓ *Cryptospora longispora* (Ascomycetes)

- Macrophoma araucariae* (Deuteromycetes)

## ARMORACIA:

- † *Rotylenchus goodeyi* (Nematoda)
- R. robustus* (Nematoda)

## AUCUBA:

- Phyllosticta aucubicola* (Deuteromycetes)

## BAMBOO:

- Puccinia longicornis* (Promycetes)

## BAMBUSA:

- † *Sphaeropsis subglobosa* (Deuteromycetes)

## BARRINGTONIA:

- Dothiorella barringtoniae* (Deuteromycetes)

## BEGONIA:

- Meloidogyne incognita* (Nematoda)
- M. incognita acrita* (Nematoda)

## BLETIA:

- Uredo nigropuncta* (Promycetes)

## BREDIA:

- † *Meloidogyne hapla* (Nematoda)

## BUXUS:

- † *Puccinia buxi* (Promycetes)

## CAJANUS:

- † *Phoma cajani* (Deuteromycetes)
- † *Uromyces dolicholi* (Promycetes)

## CALADIUM:

- Meloidogyne incognita acrita* (Nematoda)

## CALLOPSIS:

- Meloidogyne incognita acrita* (Nematoda)

## CANNA:

- Meloidogyne javanica* (Nematoda)
- † *Puccinia thaliae* (Promycetes)

## CASTANEA:

- Cylindrosporium castaneae* (Deuteromycetes)

## CATASETUM:

- Sphenospora mera* (Promycetes)

## CHAMAEDOREA:

- † *Anthostomella leucobasis* (Phycomycetes)
- † *Coccostroma chamaedoreae* (Ascomycetes)
- † *Hypoxylon folicola* (Ascomycetes)
- † *Melanconium palmarum* (Deuteromycetes)
- Mycosphaerella advena* (Ascomycetes)
- † *Phyllosticta cocos* (Deuteromycetes)

## CHRYSANTHEMUM:

- Puccinia horiana* (Promycetes)

## CITRUS AURANTIFOLIA:

- Elsinoe australis* (Ascomycetes)
- Guignardia citricarpa* (Ascomycetes)
- Xanthomonas citri* (Schizomycetes)

## CITRUS AURANTIUM:

- Guignardia citricarpa* (Ascomycetes)
- Septoria citri* (Deuteromycetes)
- Xanthomonas citri* (Schizomycetes)

## CITRUS GRANDIS:

- Guignardia citricarpa* (Ascomycetes)
- Septoria citri* (Deuteromycetes)
- Xanthomonas citri* (Schizomycetes)

## CITRUS LIMON:

- † *Ascochyta citri* (Deuteromycetes)
- Elsinoe australis* (Ascomycetes)
- Guignardia citricarpa* (Ascomycetes)

- † *Pseudomonas syringae*(?) (Schizomycetes)

- Septoria citri* (Deuteromycetes)

- Sphaceloma fawcettii* var. *scabiosa* (Deuteromycetes)

- Xanthomonas citri* (Schizomycetes)

- Xanthomonas* sp. (Cancrosis B) (Schizomycetes)

## CITRUS PARADISI:

- Elsinoe australis* (Ascomycetes)

- Guignardia citricarpa* (Ascomycetes)

- Xanthomonas citri* (Schizomycetes)

## CITRUS PARADISI X C. RETICULATA:

- Xanthomonas citri* (Schizomycetes)

## CITRUS RETICULATA:

- Elsinoe australis* (Ascomycetes)

- † "Greasy spot"

- Guignardia citricarpa* (Ascomycetes)

- † *Meliola butleri* (Ascomycetes)

- Septoria citri* (Deuteromycetes)

- Xanthomonas citri* (Schizomycetes)

## CITRUS RETICULATA CV.:

- Elsinoe australis* (Ascomycetes)

- Xanthomonas citri* (Schizomycetes)

## CITRUS SINENSIS:

- Ascochyta citri* (Deuteromycetes)

- † *Coniothecium scabrum* (Deuteromycetes)

- Elsinoe australis* (Ascomycetes)

- Guignardia citricarpa* (Ascomycetes)

- † *Septoria citri* (Deuteromycetes)

- Xanthomonas citri* (Schizomycetes)

- Xanthomonas* sp. (Cancrosis B) (Schizomycetes)

## CITRUS SP.:

- † "Greasy spot"

- Guignardia citricarpa* (Ascomycetes)

- Xanthomonas citri* (Schizomycetes)

## CLEMATIS:

- Meloidogyne hapla* (Nematoda)

## COCCOLOBA:

- † *Phyllosticta coccolobae* (Deuteromycetes)

## COCHLIODA:

- Sphenospora kevorkianii* (Promycetes)

## COCOS:

- Phomopsis cocoas* (Deuteromycetes)

## COFFEA:

- † *Microthyrium laurenti* (Ascomycetes)

- † *Phyllosticta coffeicola* (Deuteromycetes)

## COMMELINA:

- † *Mycosphaerella tetraspora* (Ascomycetes)

## CONVALLARIA:

- † *Aphelenchoides blastophthorus* (Nematoda)

- Pratylenchus convallariae* (Nematoda)

## CORIANDRUM(?):

- † *Meloidogyne arenaria* (Nematoda)

## CYNODON:

- † *Helminthosporium cynodontis* (Deuteromycetes)

- Phyllachora cynodontis* (Ascomycetes)

## CYPERUS:

- † *Puccinia cyperi* (Promycetes)

## DAHLIA:

- Meloidogyne hapla* (Nematoda)

- Pratylenchus penetrans* (Nematoda)

## DIACRIUM:

- Sphenospora kevorkianii* (Promycetes)

## DIANTHUS:

- † Carnation mottle virus (Virus)

## DIEFFENBACHIA:

- Meloidogyne javanica* (Nematoda)

- † *Xanthomonas dieffenbachiae* (Schizomycetes)

## ECHEVERIA:

- Meloidogyne incognita* (Nematoda)

## EPIDENDRUM:

- † *Myiocopron orchidearum* (Deuteromycetes)

- † *Sphenospora kevorkianii* (Promycetes)

- † *Uredo guacae* (Promycetes)

## EUCALYPTUS:

- † *Dothiorella eucalypti* (Deuteromycetes)

## EUPHORBIA:

- † *Sphaceloma poinsettiae* (Deuteromycetes)

- † *Uromyces euphorbiae* (Promycetes)

## FRAXINUS:

- Diaporthe eres* (Ascomycetes)

- Phoma samararum* (Deuteromycetes)

## GARDENIA:

- Meloidogyne incognita* (Nematoda)

## GERBERA:

- Meloidogyne incognita acrita* (Nematoda)

See footnotes at end of this list.



*Hosts and Diseases—Continued*

- GONGORA:  
*Sphenospora kevorkianii* (Promycetes)
- GOSSYPPIUM:  
*Phakopsora gossypii* (Promycetes)
- HIBISCUS:  
†*Phyllosticta hibiscina* (Deuteromycetes)
- HUNTLEYA:  
*Sphenospora kevorkianii* (Promycetes)
- ILEX:  
†*Phyllosticta ilicicola* (Deuteromycetes)  
†*Trochila ilicis* (Ascomycetes)
- IMPATIENS:  
†*Meloidogyne hapla* (Nematoda)
- IONOPSIS(?):  
*Sphenospora kevorkianii* (Promycetes)
- IPOMOEA:  
*Meloidogyne incognita acrita* (Nematoda)  
†*Phyllosticta batatas* (Deuteromycetes)
- IRIS:  
†*Puccinia iridis* (Promycetes)
- JATROPHA:  
†*Phakopsora jatrophiicola* (Promycetes)
- JUNIPERUS:  
*Gymnosporangium haraeaeum* (Promycetes)
- KALMIA:  
*Cercospora kalmiae* (Deuteromycetes)  
*Mycosphaerella colorata* (Ascomycetes)
- LACTUCA:  
†*Cercospora longissima* (Deuteromycetes)  
†*Meloidogyne incognita acrita* (Nematoda)
- LEDUM(?):  
*Microsphaeraalni* (Ascomycetes)
- LENS:  
†*Uromyces vicia-fabae* (Promycetes)
- LILIACEAE:  
†*Scutellonema brachyurum* (Nematoda)
- LILIUM:  
*Meloidogyne incognita* (Nematoda)
- LIMONIUM:  
†*Cercospora insulana* (Deuteromycetes)
- LYCOPERSICON:  
†*Corynespora cassiicola* (Deuteromycetes)
- LYONIA:  
†*Rhytisma decolorans* (Ascomycetes)
- MAHONIA:  
*Cumminsella mirabilissima* (Promycetes)
- MALUS:  
†*Monilinia fructigena* (Ascomycetes)
- MANGIFERA:  
†*Elsinoe mangiferae* (Ascomycetes)
- MANIHOT:  
†*Uromyces jatrophae* (Promycetes)
- MENTHA:  
†*Puccinia menthae* (Promycetes)
- MESEMBRYANTHEMUM:  
†*Camarosporium ellipticum* (Deuteromycetes)
- MISCANTHUS:  
†*Puccinia erythropus* (Promycetes)
- MUHLENBERGIA:  
†*Puccinia dochmia*(?) (Promycetes)
- MUSA:  
†*Macrophoma musae* (Deuteromycetes)
- NANDINA:  
†*Phomopsis detrusa* (Deuteromycetes)
- NARCISSUS:  
†*Ditylenchus dipsaci* (Nematoda)
- NOTYLIA:  
*Sphenospora kevorkianii* (Promycetes)
- ODONTOGLOSSUM:  
*Cercospora angraeci* (Deuteromycetes)
- OLEA:  
*Macrophoma dalmatica* (Deuteromycetes)  
*M. oleae* (Deuteromycetes)
- ONCIDIUM:  
*Puccinia oncidii* (Promycetes)  
†*Sphenospora kevorkianii* (Promycetes)  
*Uredo oncidii* (Promycetes)
- ORCHID:  
†*Sphenospora kevorkianii* (Promycetes)
- ORNITHOGALUM:  
*Meloidogyne javanica* (Nematoda)  
*M. incognita acrita* (Nematoda)  
*M. incognita incognita* (Nematoda)  
*Puccinia ornithogali-thyrsoides* (Promycetes)
- ORYZA:  
*Neovossia horrida* (Promycetes)  
†*Phaeoseptoria oryzae* (Deuteromycetes)  
*Septoria curvula* (Deuteromycetes)  
†*S. miyakei* (Deuteromycetes)  
*S. oryzae* (Deuteromycetes)
- PANICUM:  
†*Lacellina graminicola* (Deuteromycetes)
- PHALAEENOPSIS:  
*Uredo guacae* (Promycetes)
- PHASEOLUS:  
*Cercospora brachiata* (Deuteromycetes)
- PHILODENDRON:  
*Meloidogyne incognita acrita* (Nematoda)
- PHRAGMITES:  
†*Scirrhia rimosa* (Ascomycetes)
- PHYLLAGATHIS:  
†*Meloidogyne hapla* (Nematoda)
- PICEA:  
*Phomopsis conorum* (Deuteromycetes)
- PROTEA:  
*Leptosphaeria protearum* (Ascomycetes)
- PRUNUS:  
*Monilinia fructigena* (Ascomycetes)
- PUNICA:  
*Sphaceloma punicae* (Deuteromycetes)
- PYRACANTHA:  
†*Fusicladium pyracanthae* (Deuteromycetes)
- RANUNCULUS:  
*Meloidogyne hapla* (Nematoda)
- RHODODENDRON:  
†*Chrysomyxa ledi* var. *rhododendri* (Promycetes)
- RIBES:  
*Cronartium ribicola* (Promycetes)
- ROSA:  
†*Elsinoe rosarum* (Ascomycetes)  
†*Meloidogyne hapla* (Nematoda)  
Rose mosaic (Virus)  
†Rose mosaic—yellow type (Virus)
- RUSCUS:  
†*Phyllosticta ruscicola* (Deuteromycetes)
- SAMANEA:  
†*Polyporus phocinus* (Basidiomycetes)
- SOIL:  
†*Aphelenchoides parietinus* (Nematoda)  
†*Criconea celestem* (Nematoda)  
†*C. fimbriatum* (Nematoda)  
†*Criconea curvatum* (Nematoda)  
†*C. informe* (Nematoda)  
*C. mutabile* (Nematoda)  
†*Helicotylenchus nannus* (Nematoda)  
†*Hemicriconea mangiferae* (Nematoda)  
*Heterodera avenae* (Nematoda)  
*H. punctata* (Nematoda)  
*H. rostochiensis* (Nematoda)  
†*Pratylenchus penetrans* (Nematoda)  
*Rotylenchus robustus* (Nematoda)  
†*R. uniformis* (Nematoda)  
†*Scutellonema brachyurum* (Nematoda)  
†*Tylenchorhynchus capitatus* (Nematoda)  
†*T. crassicaudatus* (Nematoda)
- SOLANUM:  
*Meloidogyne arenaria* (aNematoda)  
*M. javanica* (Nematod)  
†*Thecaphora solani* (Promycetes)
- SORBUS:  
†*Phyllosticta sorbi* var. *torminalis* (Deuteromycetes)
- SORGHUM:  
*Ascochyta sorghina* (Deuteromycetes)
- SPONDIAS:  
†*Sphaceloma spondiadis* (Deuteromycetes)
- STACHYTARPHETA:  
†*Puccinia urbaniana* (Promycetes)
- TRIGONIDIUM:  
*Sphenospora kevorkianii* (Promycetes)
- TRITICUM:  
†*Fusarium avenaceum* (Deuteromycetes)  
†*F. nivale* (Deuteromycetes)  
*Puccinia striiformis* (Promycetes)
- ULMUS:  
*Phyllactinia guttata* (Ascomycetes)
- VANILLA:  
*Uredo scabies* (Promycetes)

See footnotes at end of this list.



Hosts and Diseases—Continued

VITIS:	ZINNIA:
† <i>Guignardia bidwellii</i> (Ascomycetes)	† <i>Alternaria zinniae</i> (Deuteromycetes)
YUCCA:	ZIZYPHUS:
<i>Meloidogyne incognita acrita</i> (Nematoda)	† <i>Cercospora jujubae</i> (Deuteromycetes)
ZINGIBER:	ZYGOPÉTALUM:
† <i>Meloidogyne arenaria</i> (Nematoda)	<i>Sphenospora kevorkianii</i> (Promycetes)
<i>Radopholus similis</i> (Nematoda)	ZYGOSTATES:
	<i>Sphenospora kevorkianii</i> (Promycetes)

Hosts Unknown

GRASS:	† <i>M. javanica</i> (Nematoda)
† <i>Phyllachora graminis</i> (Ascomycetes)	ROOT—UNIDENTIFIED
PLANT—UNIDENTIFIED:	† <i>Meloidogyne hapla</i> (Nematoda)
† <i>Meloidogyne arenaria</i> (Nematoda)	

A dagger (†) indicates a first interception from the country of origin.  
A double dagger (‡) indicates a first interception by Division inspectors.

*Countries of Origin and Diseases*

## AFGHANISTAN:

*Xanthomonas citri*

## AMERICAN SAMOA:

†*Polyporus phocinus*

## ARGENTINA:

*Cricanemoides curvatum**Elsinoe australis*

†"Greasy spot"

*Helicotylenchus nannus**Heterodera rostochiensis**Xanthomonas* sp. (Cancrosis B)

## AUSTRALIA:

†*Dothiorella eucalypti**Guignardia citricarpa*†*Scutellonema brachyurum**Sphaceloma jawcettii* var. *scabiosa**Uromycladium tepperianum*

## AUSTRIA:

*Chrysomyxa ledi* var. *rhododendri*†*Puccinia iridis*†*Scirrhia rimosa*

## BAHAMAS:

†*Phyllosticta hibiscina**Sphenospora kevorkianii**Uredo nigropuncta*

## BARBADOS:

*Sphaceloma spondiadis*

## BELGIUM:

*Phyllosticta aucubicola*†*Phyllosticta sorbi* var. *torminalis*

## BRAZIL:

*Elsinoe australis**Guignardia citricarpa**Helicotylenchus nannus**Meloidogyne arenaria**M. javanica**Sphenospora kevorkianii*

## BRITISH GUIANA:

†*Sphenospora kevorkianii*

## BRITISH HONDURAS:

†*Cercospora longissima*

## CANADA:

*Microsphaera alni*†*Phyllachora graminis*

## CANAL ZONE:

†*Myiocopron orchidearum**Sphenospora kevorkianii*

## CANARY ISLANDS:

*Heterodera rostochiensis*

## CHINA:

*Guignardia citricarpa**Xanthomonas citri*

## COLOMBIA:

*Meloidogyne incognita acrita*†*Thecaphora solani*

## COSTA RICA:

†*Elsinoe mangiferae**Meloidogyne incognita acrita*†*Phyllosticta coffeicola**Sphenospora kevorkianii*

## CZECHOSLOVAKIA:

*Heterodera punctata*

## DENMARK:

†*Aphelenchoides blastophthorus**Pratylenchus convallariae*

## DOMINICAN REPUBLIC:

†*Echidnodela guatemalensis**Elsinoe mangiferae*

"Greasy spot"

†*Leprieurina winteriana**Phakopsora jatrophiicola*†*Phoma cajani*†*Puccinia urbaniana**Sphaceloma punicae*†*S. spondiadis*†*Uredo guacae*†*Uromyces jatrophae*

## ECUADOR:

*Puccinia oncidii**Sphenospora kevorkianii**S. mera*†*Uromyces vicia-fabae*

## EL SALVADOR:

†*Sphaceloma spondiadis*†*Sphenospora kevorkianii*

## ENGLAND:

*Cercospora angraeci**Ditylenchus dipsaci**Heterodera punctata**H. rostochiensis**Meloidogyne incognita acrita**Puccinia buxi*†*Rotylenchus goodeyi**R. robustus*

## EUROPE (country(?)):

*Cercospora kalmiae**Heterodera punctata**Mycosphaerella colorata**Puccinia buxi*

## FEDERATION OF MALAYSIA:

†*Ascochyta citri**Xanthomonas citri*

## FIJI:

†*Aphelenchoides parietinus*

## FORMOSA:

*Guignardia citricarpa*†*Macrophoma musae**Xanthomonas citri*

## FRANCE:

†*Fusarium avenaceum*†*F. nivale**Heterodera avenae**Monilinia fructigena**Puccinia buxi**P. striiformis*

## GERMANY:

†*Cricanemoides informe**Cronartium ribicola*†*Fusicladium pyracanthae**Heterodera avenae**H. punctata**H. rostochiensis**Meloidogyne hapla**Monilinia fructigena**Phomopsis conorum*

## GREECE:

*Septoria citri*

## GRENADA:

†*Sphenospora kevorkianii*

## GUATEMALA:

†*Corynespora cassiicola**Meloidogyne incognita acrita*

Rose mosaic

†*Sphaceloma poinsettiae*†*S. spondiadis**Sphenospora kevorkianii*

## HAITI:

†*Cercospora insulana*

†"Greasy spot"

*Phakopsora gossypii*†*P. jatrophiicola*†*Puccinia menthae*

†Rose mosaic—yellow type

*Sphenospora kevorkianii*

## HAWAII:

*Dothiorella barringtoniae*†*Helicotylenchus nannus**Macrophoma musae**Phomopsis cocoas**Radopholus similis*†*Scutellonema brachyurum*

## HONDURAS:

†*Guignardia bidwellii*†*Puccinia thaliae**Sphenospora kevorkianii*

## HONG KONG:

*Guignardia citricarpa*†*Septoria citri**Xanthomonas citri*

## INDIA:

†*Helminthosporium cynodontis**Phyllachora cynodontis**Xanthomonas citri*

## INDIA(?)

*Guignardia citricarpa*

## IRELAND:

*Heterodera punctata**H. rostochiensis*

See footnotes at end of this list.



## Countries of Origin and Diseases—Continued

## IRELAND—Continued

- †*Meloidogyne hapla*
- Puccinia buxi*
- †*Rotylenchus uniformis*

## ITALY:

- †*Alternaria zinniae*
- †*Carnation mottle virus*
- Cylindrosporium castaneae*
- Diaporthe eres*
- †*Elsinoe rosarum*
- Macrophoma oleae*
- Monilinia fructigena*
- Phyllosticta ruscicola*
- Pseudomonas syringae*(?)
- Septoria citri*
- †*Trochila ilicis*

## JAMAICA:

- †*Elsinoe mangiferae*
- Phakopsora gossypii*
- †*Phoma cajani*
- Sphenospora kevorkianii*

## JAPAN:

- Ascochyta citri*
- Guignardia citricarpa*
- Gymnosporangium haraeaeum*
- †*Helicotylenchus nannus*
- Meloidogyne hapla*
- M. incognita acrita*
- Mycosphaerella schoenoprasii*
- Neovossia horrida*
- †*Phomopsis detrusa*
- †*Puccinia erythropus*
- P. horiana*
- P. longicornis*
- †*Scutellonema brachyurum*
- Septoria citri*
- S. curvula*
- †*S. miyakei*
- S. oryzae*
- †*Tylenchorhynchus crassicaudatus*
- Xanthomonas citri*

## LEBANON:

- Macrophoma dalmatica*
- †*Meloidogyne hapla*

## MEXICO:

- †*Anthostomella leucobasis*
- Ascochyta sorghina*
- †*Coccostroma chamaedoreae*
- †*Coniothecium scabrum*
- †*Criconea fimbriatum*
- Criconea curvatum*
- C. mutabile*
- Elsinoe mangiferae*
- "Greasy spot"
- Helicotylenchus nannus*
- †*Hemicriconea mangiferae*
- Heterodera punctata*
- †*Hypoxylon folicola*
- †*Lacellina graminicola*
- †*Melanconium palmarum*
- Meloidogyne arenaria*
- M. incognita*
- M. incognita acrita*
- M. javanica*
- †*Microthyrium laurenti*
- Mycosphaerella advena*
- †*Phaeoseptoria oryzae*
- Phyllactinia guttata*
- †*Phyllosticta cocos*
- †*Puccinia dochmiae*(?)
- Ravenelia spegazziniana*
- Scutellonema brachyurum*
- Sphaceloma punicae*
- Sphenospora kevorkianii*
- Tylenchorhynchus capitatus*
- Uredo oncidii*
- U. scabies*
- †*Uromyces euphorbiae*

## MEXICO(?):

- †*Phyllosticta ilicicola*

## NEPAL:

- †*Rhytisma decolorans*

## NETHERLANDS:

- Cumminsella mirabilissima*

See footnotes at end of this list.

*Heterodera rostochiensis*

*Meloidogyne hapla*

*M. incognita acrita*

## NEW GUINEA:

*Macrophoma araucariae*

## NEW ZEALAND:

*Macrophoma araucariae*

## NICARAGUA:

†*Meloidogyne arenaria*

†*M. javanica*

†*Phakopsora jatrophiicola*

## NORTHERN IRELAND:

*Heterodera rostochiensis*

## NORWAY:

*Heterodera punctata*

*H. rostochiensis*

*Phoma samararum*

## NORWAY(?):

†*Chrysomya ledi* var. *rhododendri*

## OKINAWA:

*Guignardia citricarpa*

## PAKISTAN:

*Guignardia citricarpa*

*Xanthomonas citri*

## PANAMA:

*Sphenospora kevorkianii*

†*Uromyces dolicholi*

## PARAGUAY:

*Elsinoe australis*

## PERU:

*Heterodera rostochiensis*

†*Puccinia cyperi*

*Sphenospora kevorkianii*

*Uredo guacae*

## PHILIPPINES:

*Guignardia citricarpa*

†*Helicotylenchus nannus*

†*Meliola butleri*

*Phomopsis cocoes*

†*Tylenchorhynchus crassicaudatus*

*Xanthomonas citri*

## PORTUGAL:

†*Criconea celetum*

†*Criconea curvatum*

†*Meloidogyne hapla*

†*Pratylenchus penetrans*

†*Pseudomonas syringae*(?)

†*Rotylenchus uniformis*

†*Tylenchorhynchus capitatus*

## PUERTO RICO:

*Cercospora brachiata*

*Elsinoe mangiferae*

†*Mycosphaerella tetraspora*

*Phoma cajani*

†*Phyllosticta batatas*

†*P. coccolobae*

*Puccinia urbaniana*

†*Xanthomonas dieffenbachiae*

## REPUBLIC OF SOUTH AFRICA:

*Botryosphaeria berengeriana* var. *aracariae*

†*Camarosporium ellipticum*

†*Coniothecium scabrum*

*Guignardia citricarpa*

†*Helminthosporium cynodontis*

*Leptosphaeria protearum*

*Meloidogyne incognita*

*M. incognita acrita*

*M. incognita incognita*

*M. javanica*

*Pratylenchus penetrans*

*Puccinia ornithogalli-thyrsoideae*

*Septoria citri*

## SCOTLAND:

*Heterodera punctata*

*H. rostochiensis*

## SENEGAL:

†*Meloidogyne incognita acrita*

## SOUTH AMERICA (country(?)):

*Elsinoe australis*

*Heterodera rostochiensis*

*Xanthomonas* sp. (Cancrosis B)

## SPAIN:

†*Coniothecium scabrum*

*Monilinia fructigena*

*Countries of Origin and Diseases—Continued*

## SPAIN—Continued

*Septoria citri*

## SURINAM:

†*Sphenospora kevorkianii*

## SWEDEN:

*Heterodera rostochiensis**Mycosphaerella schoenoprasii*

## SWITZERLAND:

*Chrysomyxa ledi* var. *rhododendri*†*Monilinia fructigena*†*Puccinia buxi*

## TAHITI(?):

*Guignardia citricarpa*

## THAILAND:

‡*Cercospora jujubae**Guignardia citricarpa**Xanthomonas citri*

## TRINIDAD:

*Meloidogyne incognita acrita*†*Sphaceloma spondiadis*

## UNKNOWN:

*Ascochyta citri**Cryptospora longispora**Elsinoe australis**E. mangiferae**Guignardia citricarpa**Heterodera rostochiensis**Pseudomonas syringae*(?)*Puccinia buxi**Septoria citri*‡*Sphaeropsis subglobosa**Xanthomonas citri**Xanthomonas* sp. (Cancrosis B)

## URUGUAY:

*Elsinoe australis*

## VIETNAM:

*Guignardia citricarpa**Xanthomonas citri*

A dagger (†) indicates a first interception from the country named.

A double dagger (‡) indicates a first interception by Division inspectors.